

# **The Etiology of Criminality: Nonbehavioral Science Perspectives**

## **A Definitive Bibliography**

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## Introduction

Over the centuries people have sought to understand the forces which cause some members of society to commit criminal acts. Theories of criminality have evolved as new ideas have coursed through society, some attaining preeminence for a time before being subsumed under a new wave of thought. Each of these, such as the classical school, which held free will paramount, and the positivist school, which held that criminal behavior was biologically determined, has some contribution to make toward the study of crime; yet none of them, when taken in isolation, adequately explains the phenomenon of crime.

Early theories focused on biological determinants, holding that criminal behavior was inherited or was a manifestation of an evolutionary throwback, or atavism. As the classical school gave way to positivism, so positivism gradually eroded as the dominant school of criminology under the onslaught of psychology and sociology.

In recent years the focus has been on sociological and psychological correlates of crime—poverty, unemployment, discrimination, poor family life, and early childhood deprivation are some of the factors that have been associated with criminality.

Although the literature of the social sciences makes an important contribution to our understanding of criminality, it does not hold all the answers. Current research has pointed to some possible determinants of criminal behavior in the organism itself. It is appropriate to examine some of the work of nutritionists, doctors, biologists and others from the physical sciences as we seek a new, holistic synthesis concerning criminality.

Cesare Lombroso's *l'uomo delinquente* (1876) is generally considered the beginning of the study of biological factors on criminality, although physiognomy, the study of facial features, and phrenology, the study of external cranial structure, had been known as early as the time of Aristotle and had evolved into recognized disciplines by the time Lavater's *Physiognomical Fragments* (1775) was published. The biological model of criminality focuses on biological, somatological, and anthropological factors as they influence criminal behavior. This orientation posits the criminal as biologically different from other humans. Lombroso's "atavistic criminal," Goring's "criminal diathesis," and Sheldon's somatotypes are examples, although now largely discredited.

This bibliography is a compilation of recent literature in the NCJRS collection on biological influences on criminal behavior. The earliest citations date from 1955, shortly before the surge of growth of criminology during the sixties. It does not include the classical works, such as those of Lombroso, Lavater, Ferri, Goddard, Sheldon, or Hooten. Nor are the earlier works of modern pioneers, such as K. O. Christiansen or S. H. Shah, included. The rich European literature concerning biological influences and criminal behavior is also somewhat underrepresented.

This bibliography is not intended to revive the nature-nurture controversy nor to advocate biological influences at the expense of social factors. Rather, these selections may be viewed as representative of a biological approach to the study of criminality.

Many of the factors which may contribute to the development of criminal behavior, but which rarely, if ever, appear in the social science literature will be reviewed here. The documents have, as their central focus, a concern with various biological phenomena hypothesized as being associated with criminal behavior. Glaser (1974) provided an apt explanation of how biological will be used in the present context: "By biological we refer to a broad range of processes and conditions that typically are considered as belonging to or 'characteristic of' the organism, rather than its 'present' environment." Whereas much of the criminological literature describes the various influences of the social environment on the opportunity for and disposition toward crime, this bibliography provides references to biological, genetic, and medical studies of the causes of criminal behavior. A brief overview of the types of material cited follows.

The influence of various epileptic disorders, as they relate to criminal behavior, is presented, as are studies of electroencephalogram abnormalities. Learning disabilities, minimal brain dysfunctions, and visual problems among delinquents have also recently been examined. Neurological abnormalities, disorders of the brain or disturbances in its chemical balance, such as hyperkinesis, may influence criminality. Genetic research concerning chromosomal abnormalities, such as 47, XXY (Klinefelter's syndrome) producing extreme tallness and distinct EEG pattern, examines the possibility of inheritable aspects of criminality. The work of K. O. Christensen and his cohort studies of Danish twins is a prime example of the research on genetic influences. Disorders in the endocrine system, the system of glands regulating internal functions, have been associated with criminal behavior, often with regard to sexual offenders. Limbic system disorders, affected by sugar diabetes and hypoglycemia (low blood sugar), have been associated with violent, sometimes criminal, behavior. Psychophysiological indices related to emotional response may also play a role. Galvanic skin response may be indicative of the aptitude for learning inhibiting behavior; biochemical balances, such as levels of adrenaline and noradrenaline, are associated with aggression. Some of the literature from psychopathy is relevant in this regard.

Over a decade ago former President Lyndon Johnson's Commission on Law Enforcement and the Administration of Justice found the American criminal justice system a fragmented hodgepodge of agencies pursuing uncoordinated strategies to control crime. That Commission recommended a systems approach to the problem of crime control. By recognizing that the activities of one component of the system can impact on another—increased arrests by police yield both heavier court dockets and more people being processed into the correctional system—we have improved our reactions to crime. However a holistic approach is also necessary to understand the variety of factors which may cause or predispose an individual to commit criminal acts. Both social and biological forces shape the individual; it is only by understanding the totality of influences on the individual that we may begin to construct proactive measures to render our responses more effective.

The citations in this bibliography have been selected from the data base of the National Criminal Justice Reference Service and are arranged in alphabetical order by title; author and subject indexes are appended to assist researchers. The NCJ accession numbers, bibliography information, availability sources, annotations, and indexes are printed directly from the computerized data base.

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# The Etiology of Criminality: Nonbehavioral Science Perspectives

1. **ACADEMIC, PERCEPTUAL, AND VISUAL LEVELS OF DETAINED JUVENILES (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEN—SEE NCJ-50444). By J. B. BLANCHARD and F. MANNARINO. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 11 p. 1978. NCJ-50457**

INTENSIVE EVALUATION OF 10 BOYS ADMITTED TO THE POMPA-NO, FLORIDA, JUVENILE DETENTION CENTER SHOWED THAT ALL 10 SUFFERED FROM LEARNING DISABILITIES (BY THE STATE'S DEFINITION) AND THAT 7 HAD MAJOR VISION IMPAIRMENT.

2. **ACQUISITION AND GENERALIZATION OF A CONDITIONED-FEAR RESPONSE IN PSYCHOPATHIC AND NONPSYCHOPATHIC CRIMINALS. By R. D. HARE. JOURNAL PRESS, BOX 543, 2 COMMERCIAL STREET, PROVINCETOWN MA 02657. JOURNAL OF PSYCHOLOGY, V 59 (1985), P 367-370. NCJ-55858**

THIS STUDY TESTS THE HYPOTHESIS THAT NOT ONLY DO PSYCHOPATHS DEVELOP CONDITIONED-FEAR RESPONSES SLOWLY, BUT THAT SUCH RESPONSES, ONCE ACQUIRED, ARE GENERALIZED LESS BY PSYCHOPATHIC THAN BY NONPSYCHOPATHIC PERSONS.

3. **ADAPTIVE AND LEARNING SKILLS IN JUVENILE DELINQUENTS—A NEUROPSYCHOLOGICAL ANALYSIS. By A. BERMAN and A. W. SIEGAL. PROFESSIONAL PRESS INC, 101 EAST ONTARIO STREET, CHICAGO IL 60611. JOURNAL OF LEARNING DISABILITIES, V 9, N 9 (NOVEMBER 1976), P 583-590. NCJ-55811**

THIS STUDY INVESTIGATES THE POSSIBILITIES FOR A NEUROPSYCHOLOGICAL APPROACH (TEACHING ADAPTIVE AND LEARNING SKILLS) TO JUVENILE DELINQUENCY USING 45 ADJUDICATED DELINQUENT BOYS AND 45 CONTROL SUBJECTS.

4. **AGGRESSION AND THE EEG (ELECTROENCEPHALOGRAPH)—A QUANTITATIVE ANALYSIS. By R. BLACKBURN. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. JOURNAL OF ABNORMAL PSYCHOLOGY, V 84, N 4 (AUGUST 1975), P 358-365. NCJ-57498**

THIS STUDY TESTS THE HYPOTHESIS THAT AGGRESSIVE OFFENDERS HAVE A GREATER AMOUNT OF THETA ACTIVITY IN THEIR ELECTROCORTICAL RHYTHMS THAN NONAGGRESSIVE OFFENDERS AND ARE MORE CORTICALLY REACTIVE.

5. **ANIMAL GENETICS AND AGGRESSIVE BEHAVIOR (FROM HUMAN AGGRESSION AND DANGEROUSNESS 1978, BY D LABERGE-ALTMERJ BY D LABERGE-ALTMERJ—SEE NCJ-57484). By R. MONROE. INSTITUT PHILIPPE PINEL DE MONTREAL, 12, 333 BOULEVARD, MONTREAL, QUEBEC 478, CANADA. 7 p. 1978. Canada. NCJ-57485**

STUDIES ARE DISCUSSED WHICH SUPPORT THE CONCEPT THAT AGGRESSION CAN BE GENETICALLY INHERITED BY BOTH ANIMALS AND HUMANS, IN SPITE OF THE FACT THAT ENVIRONMENT HAS A GREAT EFFECT ON BEHAVIOR.

6. **ASSESSMENT OF AGGRESSIVE BEHAVIOR AND PLASMA TESTOSTERONE IN A YOUNG CRIMINAL POPULATION. By L. E. KREUZ and R. M. ROSE. HARPER AND ROW, PUBLISHER, INC MEDICAL DEPARTMENT, 2350 VIRGINIA AVENUE, HAGERSTOWN MD 21740. PSYCHOSOMATIC MEDICINE, V 34, N 4 (JULY/AUGUST 1972), P 321-332. NCJ-57186**

CORRELATIONS AMONG PLASMA TESTOSTERONE (MALE SEX HORMONE) LEVELS, FIGHTING AND VERBAL AGGRESSION IN PRISON, PAST CRIMINAL BEHAVIOR, AND PSYCHOLOGICAL TEST SCORES ARE EXPLORED IN A STUDY OF 21 YOUNG MALE INMATES.

7. **ATTEMPT TO IDENTIFY PRISONERS WITH AN XYY CHROMOSOME COMPLEMENT BY PSYCHIATRIC AND PSYCHOLOGICAL MEANS. By A. FALEK, R. CRADDICK, and J. COLLUM. WILLIAMS AND WILKINS COMPANY, 428 EAST PRESTON STREET, BALTIMORE MD 21202. JOURNAL OF NERVOUS AND MENTAL DISEASE, V 150, N 3 (MARCH 1970), P 165-170. NCJ-57104**

A CHROMOSOME SURVEY OF INMATES WHOSE HEIGHT AND PSYCHOLOGICAL OR PSYCHIATRIC ASSESSMENT SUGGESTED THE PRESENCE OF THE XYY CHROMOSOME ABNORMALITY IS REPORTED.

8. **AUTONOMIC REACTIVITY TO SENSORY STIMULATION IN PSYCHOPATHIC, NEUROTIC, AND NORMAL JUVENILE DELINQUENTS. By T. D. BORKOVEC. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036; THOMAS D BORKOVEC UNIVERSITY OF IOWA DEPARTMENT OF PSYCHOLOGY, IOWA CITY IA 52240. JOURNAL OF CONSULTING AND CLINICAL PSYCHOLOGY, V 35, N 2 (1970), P 217-222. NCJ-54505**

THIS STUDY EXAMINES THE HYPOTHESIS THAT PSYCHOPATHS SHOW LESS REACTIVITY AND/OR MORE RAPID ADAPTATION TO SENSORY INPUTS THAN DELINQUENTS, NEUROTICS, AND NORMAL PERSONS.

**Supplemental Notes:** PAPER BASED ON MASTER'S THESIS AT THE UNIVERSITY OF ILLINOIS.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE, 5600 FISHERS LANE, ROCKVILLE MD 20852.

9. **BEHAVIOR DISORDERS AND PATTERN OF CRIME AMONG XYY MALES IDENTIFIED AT A MAXIMUM SECURITY HOSPITAL. By W. H. PRICE and P. B. WHATMORE. S CHAND AND COMPANY, H O RAM NAGAR, NEW DELHI-55, INDIA. BRITISH MEDICAL JOURNAL, V 1, N 539 (MARCH 1967), P 533-536. NCJ-57068**

THE PERSONALITIES, CRIMINAL HISTORIES, AND SOCIAL BACK- GROUND OF NINE CHROMOSOMALLY ABNORMAL PATIENTS IN A SCOTTISH PSYCHIATRIC INSTITUTION ARE COMPARED WITH THOSE OF CHROMOSOMALLY NORMAL CONTROLS.

- 10. BEHAVIOR DISORDERS OF CHILDHOOD AND THE ELECTROENCEPHALOGRAPH.** By J. R. STEVENS, K. SACHDEV, and V. MILSTEIN. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF NEUROLOGY*, V 18 (FEBRUARY 1968), P 160-177. NCJ-55251

ELECTROENCEPHALOGRAPH (EEG), FAMILY BACKGROUND, NEUROLOGICAL, AND PSYCHOLOGICAL DATA ARE COMPARED FOR 97 CHILDREN EXHIBITING PROBLEM BEHAVIOR AND MATCHED CONTROLS.

- 11. BEHAVIOR OF HYPERSEXUAL DELINQUENT GIRLS.** By J. D. GOODMAN. AMERICAN PSYCHIATRIC ASSOCIATION, 1700 18TH STREET, NW, WASHINGTON DC 20009. *AMERICAN JOURNAL OF PSYCHIATRY*, V 133, N 6 (JUNE 1976), P 662-668. NCJ-57102

CASE STUDIES OF SEVEN FEMALE JUVENILES WITH HISTORIES OF HYPERSEXUAL BEHAVIOR ASSOCIATED WITH DELINQUENCY, AGGRESSION, AND HYPOMANIA (LOW-INTENSITY MANIA), ARE PRESENTED.

**Supplemental Notes:** REVISED VERSION OF A PAPER PRESENTED AT THE 128TH ANNUAL MEETING OF THE AMERICAN PSYCHIATRIC ASSOCIATION, ANAHEIM (CA.), MAY 5-9, 1975.

- 12. BEHAVIORAL IMPLICATIONS OF THE HUMAN XYY GENOTYPE.** By E. B. HOOK. AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, 1515 MASSACHUSETTS AVENUE, NW, WASHINGTON DC 20005. *SCIENCE*, V 179, N 4069 (JANUARY 12, 1973), P 139-150. NCJ-07596

A REVIEW OF MAJOR QUESTIONS AND THEORIES CONCERNING THE PRESENCE OF THE XYY CHROMOSOME PATTERN IN THE HUMAN MALE.

- 13. BEHAVIORAL OPTOMETRIC VISION—A PRACTICAL AND COMPREHENSIVE PLAN FOR JUVENILE DELINQUENCY CONTROL.** By D. DZIK. PROFESSIONAL PRESS INC, 101 EAST ONTARIO STREET, CHICAGO IL 60611. *OPTOMETRIC WEEKLY*, (JANUARY 1968), P 23-30. NCJ-54021

A RELATIONSHIP BETWEEN PROBLEM VISION AND JUVENILE DELINQUENCY IS DESCRIBED USING RESULTS OF A STUDY IN HAMILTON COUNTY TENN., AND A PROGRAM FOR SCREENING AND EXAMINING STUDENTS FOR VISION PROBLEMS IS PROPOSED.

- 14. BIO-SOCIAL CORRELATES OF TWO TYPES OF ANTI-SOCIAL SOCIOPATHS.** By H. E. ALLEN. 232 p. 1970. NCJ-56963

FOURTY-THREE INMATES OF THE OHIO PENITENTIARY WERE STUDIED TO CONFIRM THAT ANTISOCIAL SOCIOPATHS SHOW HYPERACTIVITY TO EPINEPHRINE AND THAT THE DRUG FACILITATES LEARNING AS MEASURED BY THEIR ABILITY TO SOLVE A MAZE.

**Supplemental Notes:** SPECIAL PRICES AVAILABLE FOR ACADEMIC INSTITUTIONS OHIO STATE UNIVERSITY—DOCTORAL DISSERTATION.

**Availability:** UNIVERSITY MICROFILMS, 300 NORTH ZEEB ROAD, ANN ARBOR MI 48106. Stock Order No. 70-13,971. (Microfiche)

- 15. BIO-SOCIAL THEORY OF THE LEARNING OF LAW-ABIDING BEHAVIOR.** By S. A. MEDNICK. INTERNATIONAL CENTRE FOR BIOLOGICAL AND MEDICO-FORENSIC CRIMINOLOGY, P O BOX 22215, SAO PAULO, BRAZIL. 17 p. 1975. Brazil. NCJ-39872

PAPER EXAMINES THE THEORY THAT THERE IS A GENETIC FACTOR IN THE ETIOLOGY OF CRIMINALITY AND PSYCHOPATHY.

**Supplemental Notes:** PROCEEDINGS OF THE 2ND INTERNATIONAL SYMPOSIUM ON CRIMINOLOGY—UNIFIED CRIMINOLOGY, PART 1.

- 16. BIOCHEMICAL APPROACHES TO OFFENDER REHABILITATION.** By L. J. HIPPCHEM. HAWORTH PRESS, 149 FIFTH AVENUE, NEW YORK NY 10010. *OFFENDER RE-*

*HABILITATION*, V 1, N 1 (FALL 1976), P 115-123.

NCJ-40158

THIS PAPER DISCUSSES RECENT RESEARCH FINDINGS THAT SUGGEST THAT DELINQUENCY AND CRIMINAL BEHAVIOR MAY WELL HAVE CAUSES RELATED TO BIOCHEMICAL DEFICIENCIES AND/OR DEPENDENCIES.

- 17. BIOCHEMICAL DIAGNOSIS FOR DELINQUENT BEHAVIOR (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEM SEE NCJ-50444).** By P. L. BONNET and C. C. PFEIFFER. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 23 p. 1978. NCJ-50453

DIAGNOSTIC METHODS TO EVALUATE AND TREAT BIOCHEMICAL IMBALANCES ASSOCIATED WITH BEHAVIORAL PROBLEMS ARE REVIEWED. BOTH PHYSICAL AND PSYCHOLOGICAL TESTING ARE RECOMMENDED.

- 18. BIOCHEMISTRY OF STRESS REACTIONS AND CRIME.** By L. J. HIPPCHEM. 38 p. 1978. NCJ-53027

THIS PAPER REVIEWS RESEARCH AND THEORY RELATING BIOCHEMICAL STRESS FACTORS TO ANTISOCIAL FORMS OF BEHAVIOR IN CHILDREN AND DELINQUENCY IN JUVENILES. A BIOGRAPHY IS INCLUDED.

**Supplemental Notes:** PREPARED FOR THE SYMPOSIUM ON STRESS AND CRIME, DECEMBER 1978, WASHINGTON D C—CONDUCTED BY THE MITRE CORPORATION FOR THE NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE.

**Availability:** NCJRS MICROFICHE PROGRAM.

- 19. BIOLOGICAL AND PSYCHOPHYSIOLOGICAL FACTORS IN CRIMINALITY (FROM HANDBOOK OF CRIMINOLOGY, 1974, BY DANIEL GLASER SEE NCJ-16486).** By S. A. SHAH and L. H. ROTH. RAND McNALLY AND COMPANY, BOX 7600, CHICAGO IL 60680. 73 p. 1974. NCJ-49444

THEORY AND RESEARCH ON DIRECT AND INDIRECT LINKS BETWEEN BIOLOGICAL VARIABLES AND CRIMINAL BEHAVIOR ARE REVIEWED, AND IMPLICATIONS FOR PREVENTION ARE DISCUSSED.

- 20. BIOLOGICAL BASES OF SOCIAL BEHAVIOR WITH SPECIFIC REFERENCE TO VIOLENT BEHAVIOR (FROM CRIMES OF VIOLENCE, 1969—SEE NCJ-00571).** By G. E. MCCLEARN. NATIONAL COMMISSION ON THE CAUSES & PREVENTION OF VIOLENCE. 38 p. 1969. NCJ-55804

AN INTEGRATED FRAME OF REFERENCE IS PROVIDED TO HELP ASSESS AVAILABLE INFORMATION ON THE BIOLOGICAL BASES AND CONSEQUENCES OF AGGRESSIVE AND VIOLENT BEHAVIOR.

- 21. BIOLOGICAL RESEARCH ON VIOLENT BEHAVIOR (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEM SEE NCJ-50444).** By J. A. VARYURA-TOBIAS. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 15 p. 1978. NCJ-50451

AN EXTENSIVE REVIEW OF RESEARCH CONCERNING THE BIOLOGICAL ASPECTS OF VIOLENT BEHAVIOR IS GIVEN. IT IS CONCLUDED THAT COURTS NEED TO DIFFERENTIATE BETWEEN OFFENDERS WHO SUFFER FROM BIOLOGICAL PROBLEMS AND THOSE WHO DO NOT.

- 22. BIOLOGY OF INDIVIDUAL VIOLENCE—AN OVERVIEW (FROM CRIMES OF VIOLENCE, 1969—SEE NCJ-00571).** By F. ERVIN. NATIONAL COMMISSION ON THE CAUSES & PREVENTION OF VIOLENCE. 20 p. 1969. NCJ-55805

THIS OVERVIEW OF RESEARCH ON THE BIOLOGY OF INDIVIDUAL VIOLENCE OUTLINES WHAT IS KNOWN AND WHAT REMAINS TO BE DISCOVERED REGARDING THE EFFECT OF BRAIN DYSFUNCTION, GENETICS, BRAIN DISEASE, AND DRUGS ON AGGRESSION.



23. **BIOPSYCHIC FACTORS AND JUVENILE DELINQUENCY.** (FACTEURS BIOPSYCHIQUE ET LA DELINQUANCE JUVENILE.) By FIRKOWSKA-MANKIEWICZ. CENTRE DE FORMATION ET DE RECHERCHE DE L'EDUCATION SURVEILLEE, 54, RUE DE GARCHES, VAUCRESSON. ANNALES DE VAUCRESSON, N 9 (1971), P 113-125. (In French) NCJ-29715

STATISTICAL ANALYSIS CORRELATING DATA ON SOCIAL BACKGROUND, BIOPSYCHOLOGICAL DISTURBANCES, AND JUVENILE DELINQUENCY IN GROUPS OF DELINQUENTS AND NON-DELINQUENTS IN POLAND.

24. **BIOSOCIAL BASES OF CRIMINAL BEHAVIOR.** S. A. MEDNICK and K. O. CHRISTIANSEN, Eds. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 318 p. 1977. NCJ-47205

THE INTERACTION OF BIOLOGICAL AND SOCIAL FORCES IN PRODUCING CRIMINALITY IS CONSIDERED IN THIS ANTHOLOGY OF DISCUSSIONS DERIVED FROM RESEARCH STUDIES.

**Sponsoring Agencies:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INST OF MENTAL HEALTH CENTER FOR STUDIES OF CRIME AND DELINQUENCY, WASHINGTON, DC 20203; US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE, 5600 FISHERS LANE, ROCKVILLE MD 20852; US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTE OF MENTAL HEALTH, 5600 FISHERS LANE, ROCKVILLE, MD 20852; NATIONAL INSTITUTE ON ALCOHOL ABUSE AND ALCOHOLISM; BRITISH MEDICAL RESEARCH COUNCIL.

**Availability:** HALSTED PRESS, 605 THIRD AVENUE, NEW YORK NY 10016.

25. **BIOSOCIAL FACTORS AND PRIMARY PREVENTION OF ANTISOCIAL BEHAVIOR (FROM NEW PATHS IN CRIMINOLOGY INTERDISCIPLINARY AND INTERCULTURAL EXPLORATIONS, 1979, BY SARNOFF A MEDNICK AND S GIORA SHOHAM—SEE NCJ-55340).** By S. A. MEDNICK. HEATH LEXINGTON BOOKS, 125 SPRING STREET, LEXINGTON MA 02173. 9 p. 1979. NCJ-55343

A THEORY REGARDING THE INTERACTION OF BIOLOGICAL AND SOCIAL FACTORS AS DETERMINANTS OF CRIMINAL BEHAVIOR IS DISCUSSED, WITH REFERENCE TO GENETIC AND SKIN CONDUCTANCE RESEARCH AND TO PRIMARY PREVENTION.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INST OF MENTAL HEALTH CENTER FOR STUDIES OF CRIME AND DELINQUENCY, WASHINGTON, DC 20203.

26. **BIOSOCIAL LEARNING THEORY AND CRIMINAL BEHAVIOR.** By C. R. JEFFERY. 44 p. 1975. NCJ-40127

REVIEW OF CRIMINOLOGICAL THEORIES WITH FOCUS ON THE EFFECTS OF GENETICS ON CRIME AND CRIMINAL BEHAVIOR.

**Supplemental Notes:** REVISION OF PAPER PRESENTED AT ANNUAL MEETING OF THE AMERICAN SOCIETY OF CRIMINOLOGY, NOV 1975, SAN FRANCISCO.

27. **BLACKBOARD JUMBLE.** By I. EISENBERG. LAWREN PRODUCTIONS, INC, P O BOX 666, MENDOCINO CA 95460. 1978. NCJ-52026

THE RELATIONSHIP BETWEEN LEARNING DISABILITIES AND JUVENILE DELINQUENCY IS DISCUSSED, AND THE DIVERSIONARY PROGRAMS OPERATING IN LOS ANGELES COUNTY, CALIF., AIMED AT LEARNING-DISABLED DELINQUENTS ARE DOCUMENTED.

**Supplemental Notes:** 23 MINUTES, 16MM COLOR, 1978 RENTAL AVAILABLE VIDEOTAPSETTE ALSO AVAILABLE FOR PURCHASE ONLY.

**Availability:** LAWREN PRODUCTIONS, INC, P O BOX 666, MENDOCINO CA 95460. (Film)

28. **BLOOD HISTAMINE AND OTHER BLOOD COMPONENTS RELATED TO PERSONALITY TRAITS AND CRIMINAL BEHAVIOR IN JAIL INMATES.** By C. GROESBECK and B. D'ASARO. MORRIS COUNTY OFFICE OF THE SHERIFF,

COUNTY COURTHOUSE, MORRISTOWN NJ 07960. 20 p. 1973. NCJ-12971

RESULTS OF BLOOD TESTING OF MORRIS COUNTY, NEW JERSEY, JAIL INMATES FOR POSSIBLE RELATIONSHIPS BETWEEN SPERMINE, SPERMIDINE, AND HISTAMINE LEVELS AND GRANDIOSITY.

**Sponsoring Agency:** NEW JERSEY STATE LAW ENFORCEMENT PLANNING AGENCY, 3535 QUAKER BRIDGE ROAD, TRENTON NJ 08625.

29. **BRAIN DYSFUNCTION IN AGGRESSIVE CRIMINALS.** By R. R. MONROE. HEATH LEXINGTON BOOKS, 125 SPRING STREET, LEXINGTON MA 02173. 238 p. 1978. NCJ-53119

NINETY-THREE RECIDIVIST AGGRESSORS CONFINED TO MARYLAND'S PATUXENT INSTITUTION WERE STUDIED TO TEST THE VALIDITY OF A TWO-DIMENSIONAL METHOD FOR CLASSIFYING CRIMINAL BEHAVIOR.

**Availability:** HEATH LEXINGTON BOOKS, 125 SPRING STREET, LEXINGTON MA 02173.

30. **BRAIN FUNCTION IN PROBLEM CHILDREN AND CONTROLS PSYCHOMETRIC, NEUROLOGICAL, AND ELECTROENCEPHALOGRAPHIC COMPARISONS.** By A. WIKLER, J. F. DIXON, and J. B. PARKER. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. AMERICAN JOURNAL OF PSYCHIATRY, V 127, N 1 (NOVEMBER 1970), P 834-845. NCJ-55216

PSYCHOMETRIC, NEUROLOGICAL, AND ELECTROENCEPHALOGRAPHIC (EEG) DATA ON 24 CHILDREN WITH SCHOLASTIC AND BEHAVIORAL PROBLEMS BUT NO CLASSICAL EVIDENCE OF NEUROLOGICAL DISEASE ARE COMPARED WITH DATA FOR 24 MATCHED CONTROLS.

**Supplemental Notes:** PRESENTED AT THE 123RD ANNUAL MEETING OF THE AMERICAN PSYCHIATRIC ASSOCIATION, SAN FRANCISCO, CALIFORNIA, MAY 11-15, 1970.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTES OF HEALTH, 9000 ROCKVILLE PIKE, BETHESDA MD 20014.

31. **BRAIN INJURY AND CRIMINALITY—A RETROSPECTIVE STUDY.** By M. VIRKKUNEN, A. NUUTILA, and S. HUUSKO. PHYSICIAN POSTGRADUATE PRESS, BOX 38293, MEMPHIS TN 38138. DISEASES OF THE NERVOUS SYSTEM, V 38, N 11 (NOVEMBER 1977), P 807-808. NCJ-56946

A 32- TO 37-YEAR FOLLOWUP OF 1,830 FINNISH VETERANS OF WORLD WAR II WHO HAD SUFFERED A PENETRATING BRAIN INJURY WAS PERFORMED TO DETERMINE IF BRAIN INJURY IS CORRELATED WITH THE INCIDENCE OF CRIMINALITY.

32. **BUCCAL SMEAR AND DERMATOGLYPHIC STUDIES IN JUVENILE DELINQUENCY.** By S. S. AGARWAL, N. SETHI, A. K. GUPTA, and B. B. SETHI. INDIAN PSYCHIATRIC SOCIETY, c/o S. C. S. MASTER, 322 M. GANDHI ROAD, POONA, INDIA. INDIAN JOURNAL OF PSYCHIATRY, V 15, N 4 (1975), P 244-250. NCJ-57143

AN INDIAN STUDY OF SEX CHROMOSOME CONFIGURATIONS AND DERMATOGLYPHIC CHARACTERISTICS (RIDGES ON THE HANDS AND FEET) IN 100 MALE JUVENILE DELINQUENTS AND 100 MATCHED CONTROLS IS REPORTED.

33. **CAN CHOCOLATE TURN YOU INTO A CRIMINAL? SOME EXPERTS SAY SO.** By T. D. SCHELLHARDT. JOURNAL OF THE INTERNATIONAL ACADEMY OF PREVENTIVE MEDICINE, V 4, N 2 (WINTER 1977), P 86-89. NCJ-57089

THIS ARTICLE DOCUMENTS THE FINDINGS OF SEVERAL HEALTH EXPERTS AND DISCUSSES THE THEORIES OF CRIMINAL JUSTICE

PROFESSIONALS WHICH LINK AGGRESSIVE BEHAVIOR WITH AN INDIVIDUAL'S DIET.

**Supplemental Notes:** REPRINTED FROM THE WALL STREET JOURNAL, JUNE 2, 1977, P 1.

- 34. CAN FINGERPRINT PATTERNS PREDICT CRIMINAL BEHAVIOR?** By O. L. GLASOW. INSTITUTE OF APPLIED SCIENCE. *FINGERPRINT AND IDENTIFICATION MAGAZINE*, V 56, N 2 (AUGUST 1974), P 3-7. NCJ-19273

THE AUTHOR EXAMINES THE POSSIBLE RELATIONSHIPS BETWEEN CERTAIN FINGERPRINT CHARACTERISTICS, SOCIAL AND MENTAL VARIABLES, AND THE COMMISSION OF CRIME.

- 35. CANADA—NATIONAL SYMPOSIUM ON MEDICAL SCIENCES AND THE CRIMINAL LAW—PROCEEDINGS—HELD UNIVERSITY OF TORONTO, MAY 28-29, 1973.** UNIVERSITY OF TORONTO CENTRE OF CRIMINOLOGY, TORONTO, CANADA. 169 p. 1974. Canada. NCJ-15040

PAPERS BY BIOCHEMISTS, PHARMACOLOGISTS, PSYCHOLOGISTS, NEUROLOGISTS, AND PHYSIOLOGISTS ON MATTERS AFFECTING HUMAN AND SPECIFICALLY CRIMINAL BEHAVIOR, WITH RESPONSES BY CRIMINAL JUSTICE PERSONNEL.

**Sponsoring Agency:** ONTARIO MINISTRY OF HEALTH.

- 36. CHEMICAL BREW OF CRIMINAL BEHAVIOR.** By E. PODOLSKY. WILLIAMS AND WILKINS COMPANY, 428 EAST PRESTON STREET, BALTIMORE MD 21202; NORTHWESTERN UNIVERSITY SCHOOL OF LAW, 357 EAST CHICAGO AVENUE, CHICAGO IL 60611. *JOURNAL OF CRIMINAL LAW, CRIMINOLOGY, AND POLICE SCIENCE*, V 45 (1955), P 675-878. NCJ-56511

ASSOCIATIONS BETWEEN CRIMINAL AND AGGRESSIVE BEHAVIOR AND VARIOUS BIOCHEMICAL FACTORS—HYPOGLYCEMIA, CALCIUM DEFICIENCIES, ABNORMAL ENDOCRINE GLAND ACTIVITY—ARE DISCUSSED.

- 37. CHILDHOOD EXPERIENCES AS CAUSES OF CRIMINAL BEHAVIOR ISSUE NO 1—FIRST PROCEEDING—CANADA. (DELINQUANCE IMPUTABLE AUX EXPERIENCES DE L'ENFANCE FASCICULE NO 1—PREMIER FASCICULE—CANADA.)** PRINTING AND PUBLISHING SUPPLY AND SERVICES CANADA, OTTAWA K1A 0S9, CANADA. 157 p. 1977. Canada. (In English and French) NCJ-48764

BRAIN DYSFUNCTION AS A CAUSAL FACTOR IN PERSISTENT CRIMINAL DEVIANCY IS DISCUSSED IN TESTIMONY PRESENTED BEFORE A COMMITTEE OF THE SENATE OF CANADA.

**Supplemental Notes:** FIRST PROCEEDING ON THE INQUIRY INTO SUCH EXPERIENCES IN PRENATAL LIFE AND EARLY CHILDHOOD AS MAY CAUSE PERSONALITY DISORDERS OR CRIMINAL BEHAVIOR IN LATER LIFE, SENATE OF CANADA, JUNE 30, 1977.

**Availability:** PRINTING AND PUBLISHING SUPPLY AND SERVICES CANADA, OTTAWA K1A 0S9, CANADA.

- 38. CHILDHOOD EXPERIENCES AS CAUSES OF CRIMINAL BEHAVIOR ISSUE NO 10—CANADA. (DELINQUANCE IMPUTABLE AUX EXPERIENCES DE L'ENFANCE FASCICULE NO 10—CANADA.)** PRINTING AND PUBLISHING SUPPLY AND SERVICES CANADA, OTTAWA K1A 0S9, CANADA. 42 p. 1978. Canada. (In English and French) NCJ-48774

A CHILD PSYCHIATRIST AND RESEARCHER IN THE AREA OF ANTISOCIAL BEHAVIOR OF CHILDREN SUMMARIZES HIS RESEARCH FINDINGS IN TESTIMONY BEFORE A COMMITTEE OF THE CANADIAN SENATE.

**Supplemental Notes:** PROCEEDINGS OF THE SENATE OF CANADA, FEBRUARY 28, 1978.

**Availability:** PRINTING AND PUBLISHING SUPPLY AND SERVICES CANADA, OTTAWA K1A 0S9, CANADA.

- 39. CHILDHOOD EXPERIENCES AS CAUSES OF CRIMINAL BEHAVIOUR ISSUE NO 1—SECOND PROCEEDING—CANADA. (DELINQUANCE IMPUTABLE AUX EXPERIENCES DE L'ENFANCE FASCICULE NO 1—DEUXIEME**

**FASCICULE—CANADA.)** PRINTING AND PUBLISHING SUPPLY AND SERVICES CANADA, OTTAWA K1A 0S9, CANADA. 30 p. 1977. Canada. (In English and French) NCJ-48765

PRENATAL BIOLOGICAL INFLUENCES IN THE GENESIS OF CRIMINALITY ARE DISCUSSED IN TESTIMONY PRESENTED BEFORE A COMMITTEE OF THE CANADIAN SENATE.

**Supplemental Notes:** SECOND PROCEEDING ON THE INQUIRY INTO SUCH EXPERIENCES IN PRENATAL LIFE AND EARLY CHILDHOOD AS MAY CAUSE PERSONALITY DISORDERS OR CRIMINAL BEHAVIOUR IN LATER LIFE, SENATE OF CANADA, NOVEMBER 24, 1977.

**Availability:** PRINTING AND PUBLISHING SUPPLY AND SERVICES CANADA, OTTAWA K1A 0S9, CANADA.

- 40. CHILDHOOD OF MALES WITH THE XYY SYNDROME.** By J. NIELSEN, K. R. CHRISTENSEN, U. FRIEDRICH, E. ZEUTHEN, and O. OSTERGAARD. PLENUM PUBLISHING CORPORATION, 227 WEST 17TH STREET, NEW YORK NY 10011. *JOURNAL OF AUTISM AND CHILDHOOD SCHIZOPHRENIA*, V 3, N 1 (JANUARY-MARCH 1973), P 5-28. NCJ-57144

A PSYCHIATRIC EVALUATION OF 2 BOYS WITH ABNORMAL XYY CHROMOSOME COMPLEMENTS IS PRESENTED IN THIS DANISH STUDY, ALONG WITH A RETROSPECTIVE INVESTIGATION OF THE CHILDHOOD AND EARLY ADOLESCENCE OF 20 ADULT XYY PATIENTS.

- 41. CHROMOSOMAL ABERRATIONS, BIOCHEMISTRY OF THE BRAIN, AND CRIMINALITY. (ABERRATIONS CHROMOSOMIQUES, BIOCHIMIE DU CERVEAU ET CRIMINALITE.)** By P. CHAUCHARD, Q. DEBRAY, P. DEKIN, J. DUBLIN-EAU, and P. KARLI. EDITIONS NERET, 23, RUE DE CHABROL, B.P. 59-X, 75482 PARIS, FRANCE; INSTITUT DE CRIMINOLOGIE DE PARIS, 12 PLACE DU PANTHEON, 75005 PARIS, FRANCE. 34 p. 1975. France. (In French) NCJ-39375

COLLECTION OF FIVE SHORT PAPERS WHICH EXAMINE BIOLOGICAL INFLUENCES ON CRIMINAL AND AGGRESSIVE BEHAVIOR IN MAN AND ANIMALS AND THEIR RAMIFICATIONS FOR CORRECTIONAL TREATMENT.

- 42. CHROMOSOMAL DEVIATION AND CRIME (FROM CRIME AND JUSTICE, 1970-1971, 1972, BY J. SUSMAN—SEE NCJ-27315).** By M. AMIR and Y. BERMAN. AMS PRESS INC, 56 EAST 13TH STREET, NEW YORK NY 10003. 8 p. 1972. NCJ-27321

AN EVALUATION AND CRITIQUE OF STUDIES LINKING CRIMINALITY TO THE XYY CHROMOSOME SYNDROME.

- 43. CHROMOSOMAL STUDIES OF PRISON INMATES WITH RELATIONSHIP TO OFFENCE CHARACTERISTICS.** By M. G. JONEJA, A. A. TRAVILL, and G. D. SCOTT. CANADIAN PSYCHIATRIC ASSOCIATION, 225 LISGAR STREET, SUITE 103, OTTAWA, ONTARIO, CANADA. *CANADIAN PSYCHIATRIC ASSOCIATION JOURNAL*, V 17, N 2 (APRIL 1972), P 147-148. NCJ-56733

THE STUDY OF CHROMOSOME CONFIGURATIONS IN 65 INMATES OF A CANADIAN PRISON IS REPORTED BRIEFLY.

**Supplemental Notes:** PRESENTED AT CANADIAN PSYCHIATRIC ASSOCIATION MEETING, HALIFAX, JUNE 1971.

- 44. CHROMOSOME ERRORS IN MEN WITH ANTISOCIAL BEHAVIOR COMPARISON OF SELECTED MEN WITH KLINEFELTER'S SYNDROME AND XYY CHROMOSOME PATTERN.** By D. BAKER, M. A. TELFER, C. E. RICHARDSON, and G. R. CLARK. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*, V 214, N 5 (NOVEMBER 2, 1970), P 889-878. NCJ-54106

CYTOGENETIC SCREENING OF 876 MALES IN PRISONS AND FACILITIES FOR THE MENTALLY ILL AND RETARDED IDENTIFIED 23 MEN WITH HISTORIES OF ANTISOCIAL BEHAVIOR WHO EVIDENCED CHROMOSOME ERRORS.

45. **CHROMOSOME SURVEY OF PERSONS CHARGED WITH MURDER.** By A. A. BARTHOLOMEW and G. R. SUTHERLAND. AUSTRALIAN AND NEW ZEALAND SOCIETY OF CRIMINOLOGY, DEPARTMENT OF CRIMINOLOGY, UNIVERSITY OF MELBOURNE, PARKVILLE, VICTORIA 3052, AUSTRALIA. 3 p. 1973. Australia. NCJ-14400

STUDY ON THE POSSIBLE RELATIONSHIP BETWEEN SEX CHROMOSOME ABNORMALITY AND AGGRESSIVE BEHAVIOR.

46. **CHROMOSOMES AND CRIME.** By A. MONTAGU. ZIFF DAVIS PUBLISHING COMPANY, ONE PARK AVENUE, NEW YORK NY 10016. *PSYCHOLOGY TODAY*, V 2, N 5 (OCTOBER 1968), P 43-49. NCJ-57012

THE POSSIBLE LINK BETWEEN CHROMOSOMAL ABNORMALITIES AND CRIME, PARTICULARLY THE PRESENCE IN SOME MALES OF AN EXTRA Y CHROMOSOME, IS DISCUSSED IN THIS REVIEW OF EARLY RESEARCH FINDINGS FROM THE 1960'S.

47. **CHROMOSOMES OF MALE PATIENTS IN A SECURITY PRISON.** By D. J. BARTLETT, W. P. HURLEY, C. R. BRAND, and E. W. POOLE. MACMILLAN JOURNALS LTD, 4 LITTLE ESSEX STREET, LONDON WC2R 3LF, ENGLAND. *NATURE*, V 219, N 5152 (JULY 27, 1968), P 351-354. NCJ-57083

A CHROMOSOME SURVEY OF 204 MALE INMATES AT A BRITISH PRISON FOR THE PSYCHIATRIC TREATMENT OF OFFENDERS IS REPORTED.

48. **CLINICAL AND EEG (ELECTROENCEPHALOGRAM) STUDIES OF PRISONERS CHARGED WITH MURDER.** By M. V. DRIVER and M. FAULK. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, V 122, N 571 (JUNE 1973), P 583-587. NCJ-57071

THE ELECTROENCEPHALOGRAM (EEG) READINGS OF 150 MALES CHARGED WITH MURDER AND HELD IN CUSTODY WHILE AWAITING TRIAL ARE ANALYZED.

49. **CLINICAL AND EMPIRICAL CONCEPTIONS OF PSYCHOPATHY, AND THE SELECTION OF SUBJECTS FOR RESEARCH (FROM PSYCHOPATHIC BEHAVIOUR—APPROACHES TO RESEARCH, 1976, BY H. D. HARE AND D. SCHALLING—SEE NCJ-57500).** By R. D. HARE and D. N. COX. JOHN WRIGHT AND SONS, LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND. 21 p. 1978. United Kingdom. NCJ-57501

CLINICAL CONCEPTIONS OF PSYCHOPATHY AND THE PSYCHOPATHIC PERSONALITY ARE CONSIDERED ALONG WITH DATA BEARING ON THE EMPIRICAL VALIDITY OF THE CONCEPTS AND THE VARIOUS WAYS IN WHICH SUBJECTS ARE SELECTED FOR RESEARCH PURPOSES.

50. **CLINICAL STUDIES.** By M. GOLDSTEIN. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF NEUROLOGY*, V 30, N 1 (JANUARY 1974), P 28-35. NCJ-56892

FOCUSING ON INDIVIDUAL OR PERSONAL VIOLENCE RATHER THAN GANG OR MASS DELINQUENCY, SELECTED CLINICAL OBSERVATIONS ON THE PSYCHIATRIC, NEUROLOGICAL, AND NEUROPSYCHOPATHIC DIMENSIONS OF AGGRESSION ARE CONSIDERED.

51. **COLLOQUIUM ON THE CORRELATES OF CRIME AND THE DETERMINANTS OF CRIMINAL BEHAVIOR—PROCEEDINGS.** L. OTTEN, Ed. MITRE CORPORATION, P O BOX 208, BEDFORD MA 01730. 197 p. 1978. NCJ-53454

THIS ANTHOLOGY OF PAPERS BY CRIMINAL JUSTICE EXPERTS, SOCIOLOGISTS, AND PSYCHOLOGISTS CONCERNING CRIMINAL BEHAVIOR DETERMINANTS CONSIDERS PSYCHOPHYSIOLOGICAL

FACTORS, DRUG AND ALCOHOL USE, AND BIOSOCIAL INFLUENCES.

**Sponsoring Agency:** U S DEPARTMENT OF JUSTICE, LAW ENFORCEMENT ASSISTANCE ADMIN, NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE.

**Availability:** MITRE CORPORATION WASHINGTON OPERATIONS, 1820 DOLLEY MADISON BOULEVARD, MCLEAN VA 22101 Stock Order No. M78-81; NCJRS MICROFICHE PROGRAM.

52. **COMMENT ON 'REGISTERED CRIMINALITY IN FAMILIES WITH CHILDREN AT HIGH RISK FOR SCHIZOPHRENIA' BY KIRKEGAARD-SORENSEN AND MEDNICK.** By D. V. M. BISHOP. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. *JOURNAL OF ABNORMAL PSYCHOLOGY*, V 85, N 2 (APRIL 1976), P 240-242. NCJ-57145

CONCLUSIONS DRAWN IN A STUDY BY KIRKEGAARD-SORENSEN AND MEDNICK (1975) COMPARING REGISTERED CRIMINALITY IN CHILDREN AT RISK FOR SCHIZOPHRENIA WITH CONTROLS ARE INVALID DUE TO INADEQUATE SELECTION OF CONTROLS.

53. **COMPARATIVE STUDY OF PREDICTIVE CRITERIA IN THE PREDISPOSITION OF HOMICIDAL ADOLESCENTS.** By I. B. SENDI and P. G. BLOMGREN. AMERICAN PSYCHIATRIC ASSOCIATION, 1700 18TH STREET, NW, WASHINGTON DC 20009. *AMERICAN JOURNAL OF PSYCHIATRY*, V 132, N 4 (APRIL 1975), P 423-427. NCJ-57189

THREE FACTORS—CLINICAL, DEVELOPMENTAL, AND ENVIRONMENTAL—ARE EXAMINED AS PREDICTORS OF HOMICIDAL PREDISPOSITION IN SAMPLES OF 10 JUVENILE MURDERERS, 10 JUVENILES WHO ATTEMPTED MURDER, AND 10 CONTROLS.

54. **COMPARATIVE STUDY OF SENSITIVITY TO TOUCH, WEIGHT AND PAIN AMONG OBSERVATION CENTER MINORS AND VARIOUS GROUPS OF NORMAL MINORS, PART 2—FRANCE. (ETUDE COMPAREE DES SENSIBILITES TACTILES, GRAVIMETRIQUES ET ALGIQUES CHEZ LES MINEURS DE CENTRE D'OBSERVATION ET DIVERSES POPULATIONS DE NORMAUX, 2 PARTIE.)** By P. R. BIZE, L. PECHADRE, and J. MISSOUT. CENTRE DE FORMATION ET DE RECHERCHE DE L'EDUCATION SURVEILLEE, 54, RUE DE GARCHES, VAUCRESSON. *ANNALES DE VAUCRESSON*, N 4 (1966), P 3-22. (In French) NCJ-30279

COMPARISON OF THE RESULTS OF PHYSICAL SENSITIVITY TESTS ON FRENCH JUVENILE DELINQUENTS WITH THE RESULTS OF SIMILAR TESTS ON GROUPS OF NORMAL JUVENILES OF ABOUT THE SAME AGE.

55. **COMPARATIVE STUDY OF THE PSYCHOMOTOR FUNCTION OF MINORS AT AN OBSERVATION CENTER AND OF VARIOUS GROUPS OF NONDELINQUENTS—FRANCE. (ETUDE COMPAREE DE LA PSYCHO-MOTRICITE DES MINEURS D'UN CENTRE D'OBSERVATION ET DE DIVERSES POPULATIONS DE NON-DELINQUANTS.)** By P. R. BIZE. CENTRE DE FORMATION ET DE RECHERCHE DE L'EDUCATION SURVEILLEE, 54, RUE DE GARCHES, VAUCRESSON. *ANNALES DE VAUCRESSON*, N 1 (1963), P 7-65. (In French) NCJ-30258

REPORT ON A STUDY BASED ON CLINICAL EXAMINATIONS OF THE PSYCHOMOTOR FUNCTIONS OF VARIOUS JUVENILE DELINQUENTS AND NONDELINQUENTS, DESCRIBING THE EXAMINATION PROCESS IN DETAIL AND PRESENTING CONCLUSIONS.

56. **CONSIDERATIONS REGARDING THE ROLE OF BIOLOGICAL FACTORS IN THE ETIOLOGY OF CRIMINALITY.** By S. A. MEDNICK. INTERNATIONAL CENTRE FOR BIOLOGICAL AND MEDICO-FORENSIC CRIMINOLOGY, P O BOX 22215, SAO PAULO, BRAZIL. 24 p. 1975. Brazil. NCJ-37888

THIS STUDY SUGGESTS THAT GENETICALLY-CONTROLLED BIOLOGICAL FACTORS DO PLAY A ROLE IN THE ETIOLOGY OF CRIMINALITY.

**Supplemental Notes:** INTERNATIONAL SYMPOSIUM ON CRIMINOLOGY, 2D—BIOLOGICAL MODEL, PART 2.

- 57. CORRELATION BETWEEN STATURE, CHARACTER DISORDER AND CRIMINALITY.** By J. NIELSEN and T. TSUBOI. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, V 116, N 531 (1970), P 145-150. **NCJ-56769**

A CORRELATION BETWEEN THE STATURE OF 771 MALE PATIENTS ADMITTED TO AARHUS PSYCHIATRIC HOSPITAL IN DENMARK AND CHARACTER DISORDER AND CRIMINALITY IN THESE SUBJECTS AS SUGGESTED BY THEIR CRIMINAL RECORDS IS INVESTIGATED.

- 58. CRIME AND DYSLEXIA.** By J. KERR. FORENSIC PUBLISHING COMPANY, BOX 18, BOGNOR REGIS, PO22 7AA, ENGLAND. *CRIMINOLOGIST*, V 8, N 29 (SUMMER 1973), P 29-32. **NCJ-11932**

DRAWING ON BRITISH RESEARCH, THE AUTHOR RELATES DEVIANANT BEHAVIOR TO A READING DISABILITY WITH ITS RESULTANT LOW ACADEMIC ACHIEVEMENT, FRUSTRATION, AND REBELLION.

- 59. CRIME AND PERSONALITY.** By H. J. EYSENCK. 204 p. 1964. **NCJ-04548**

PSYCHOLOGICAL THEORY ON THE NATURE OF CRIMINAL BEHAVIOR, BASED ON MODERN EXPERIMENTAL WORK IN LEARNING AND CONDITIONING.

**Availability:** HOUGHTON MIFFLIN COMPANY, 1 BEACON STREET, BOSTON MA 02108.

- 60. CRIME AND PERSONALITY, 3D ED.** By H. J. EYSENCK. 222 p. 1977. United Kingdom. **NCJ-42849**

IT IS ARGUED THAT CRIMINAL AND NON-CRIMINAL BEHAVIOR STEM FROM A COMBINATION OF ENVIRONMENTAL FACTORS CONDITIONING BEHAVIOR, AND BIOLOGICAL CHARACTERISTICS THAT AFFECT THE CONDITIONABILITY OF EACH PERSON.

**Availability:** ROUTLEDGE AND KEGAN PAUL LTD, BROADWAY HOUSE, 68-74 CARTER LANE, LONDON, ENGLAND.

- 61. CRIME, MALNUTRITION, AND OTHER FORMS OF CERE-BRAL TRAUMA.** By C. P. HELLON. HUXLEY INSTITUTE FOR BIO-SOCIAL RESEARCH, 1114 FIRST AVENUE, NEW YORK NY 10021. *ORTHOMOLECULAR PSYCHIATRY*, V 4, N 4 (1975), P 256-260. **NCJ-34578**

DISCUSSION OF THE NEED FOR BEHAVIORAL SCIENTISTS TO CONCENTRATE THEIR STUDIES ON THOSE WHO VIOLATE THE LAW BECAUSE THEY ARE OVERWHELMED BY CERTAIN CONDITIONS OR BECAUSE THEY CANNOT CONTROL THEIR BEHAVIOR.

- 62. CRIME, MALNUTRITION AND THE ORTHOMOLECULAR APPROACH PANEL DISCUSSION WITH AUDIENCE PARTICIPATION (CRIME, MALNUTRITION AND THE ORTHOMOLECULAR APPROACH CONFERENCE).** By W. PHILPOTT, J. BARON, G. PRASTKA, and S. RASMUSSEN. 1976. **NCJ-40033**

FIVE MINUTES OF HOUR-LONG TAPED PANEL DISCUSSION RELATE TO WHAT EFFECTS DIET CAN HAVE ON HEROIN ADDICTION AND ALCOHOLISM, AND HOW DETECTION AND TREATMENT OF PREDRUG PERSONALITY PROBLEMS CAN COMBAT SUCH ILLNESSES.

**Supplemental Notes:** 70 MINUTES, 1976.

**Availability:** HUXLEY INSTITUTE FOR BIO-SOCIAL RESEARCH, 1114 FIRST AVENUE, NEW YORK NY 10021 (Audio Cassette)

- 63. CRIMINAL AND HIS VICTIM—STUDIES IN THE SOCIOBIOLOGY OF CRIME.** By H. HENTIG. ARCHON BOOKS (SEE SHOE STRING PRESS). 469 p. 1967. **NCJ-49952**

THIS BOOK EXAMINES SOCIOLOGICAL AND PHYSIOLOGICAL FACTORS THAT CAN COMBINE TO CREATE CRIMINOGENIC SITU-

TIONS; IT IS INTENDED FOR CRIMINOLOGISTS, PSYCHOLOGISTS, EDUCATORS, LAWMAKERS, AND POLITICAL SCIENTISTS.

**Availability:** SHOE STRING PRESS, 995 SHERMAN AVENUE, HAMDEN CT 06514.

- 64. CRIMINAL BEHAVIOR AND THE PHYSICAL ENVIRONMENT—A PERSPECTIVE.** By C. R. JEFFERY. SAGE PUBLICATIONS, INC, 275 SOUTH BEVERLY DRIVE, BEVERLY HILLS CA 90212. *AMERICAN BEHAVIORAL SCIENTIST*, V 20, N 2 (NOVEMBER-DECEMBER 1976), P 149-174. **NCJ-41000**

THIS ARTICLE CRITICALLY REVIEWS THE VARIOUS EXPLANATIONS FOR AND PARADIGMS OF CRIMINAL BEHAVIOR, INCLUDING THE ENVIRONMENTAL DESIGN, PHYSICAL ENVIRONMENT, AND SOCIO-PSYCHOLOGICAL THEORIES.

**Supplemental Notes:** REPRINT.

- 65. CRIMINAL LAW—THE XYY CHROMOSOME COMPLEMENT AND CRIMINAL CONDUCT.** By R. HOUSLEY. UNIVERSITY OF OKLAHOMA PRESS, NORMAN OK 73069. *OKLAHOMA LAW REVIEW*, V 22, N 3 (AUGUST 1969), P287-301. **NCJ-57211**

THIS ARTICLE REVIEWS THE MEDICAL INVESTIGATION OF THE XYY CHROMOSOME COMPLEMENT AND EXAMINES THE LEGAL IMPLICATIONS OF A POSSIBLE ASSOCIATION BETWEEN GENETIC ABNORMALITIES AND CRIMINAL BEHAVIOR.

- 66. CRIMINAL LAW V CRIMINOLOGY—A QUESTION OF RESPONSIBILITY.** By C. V. HASSEL. FEDERAL BUREAU OF INVESTIGATION, WASHINGTON DC 20535. *FBI LAW ENFORCEMENT BULLETIN*, V 44, N 10 (OCTOBER 1975), P 11-15. **NCJ-29413**

BRIEF ANALYSIS OF VARIOUS BIOLOGICAL, ANTHROPOLOGICAL, SOCIOLOGICAL, AND GENETIC EXPLANATIONS FOR CRIMINAL BEHAVIOR, CONCLUDED BY THE AUTHOR'S SUPPORT OF CRIMINAL RESPONSIBILITY BASED ON MAN'S FREE WILL AND RATIONALITY.

- 67. CRIMINAL LIFE CURVES OF MONOZYGOTIC TWIN-PAIRS.** By S. YOSHIMASU. JAPANESE ASSOCIATION OF CRIMINOLOGY, TOKYO MEDICAL AND DENTAL UNIV, 1-CHOME, YUSHIMA, BUNKYO-KU, TOKYO 113, JAPAN. *ACTA CRIMINOLOGIAE ET MEDICINAE LEGALIS JAPANICA*, (1965), P 144-153, 190-197. **NCJ-55252**

IN THIS JAPANESE STUDY, DEMOGRAPHIC AND DEVIANT DATA ON SEVERAL SETS OF MONOZYGOTIC TWINS ARE ANALYZED IN SUPPORT OF THE EXISTENCE OF A DEFINITE TYPE OF CRIMINAL LIFE CURVE CHARACTERISTIC OF AN INDIVIDUAL CRIMINAL.

- 68. CRIMINAL PATIENTS WITH XYY SEX-CHROMOSOME COMPLEMENT.** By W. H. PRICE, J. A. STRONG, P. B. WHATMORE, and W. F. MCCLEMONT. *LANCET*, 7 ADAM STREET, ADELPHI, LONDON, ENGLAND. *LANCET*, V 1, N 7436 (MARCH 5, 1966), P 565-566. **NCJ-56737**

THE CLINICAL CHARACTERISTICS OF NINE MALE OFFENDERS WITH ABNORMAL CHROMOSOME CONFIGURATIONS ARE DESCRIBED BRIEFLY.

- 69. CRIMINAL PSYCHOPATHOLOGY (FROM PROGRESS IN NEUROLOGY AND PSYCHIATRY, V 22, 1968).** By S. B. MAUGHS. GRUNE AND STRATTON, INC. 6 p. 1968. **NCJ-57212**

THIS CHAPTER REPORTS ON 14 ARTICLES CONCERNING CRIMINAL PATHOLOGY, INCLUDING STUDIES OF IDENTICAL TWINS, USE OF ELECTROENCEPHALOGRAPHY (EEG'S), THEFTING DELINQUENTS, WIFE AND CHILD KILLING, WOMEN PRISONERS, AND XYY MALES.

- 70. CRIMINAL PSYCHOPATHOLOGY (FROM PROGRESS IN NEUROLOGY AND PSYCHIATRY, V 27, 1972, BY E A SPIEGEL).** By S. B. MAUGHS. GRUNE AND STRATTON, INC. 4 p. 1972. **NCJ-57184**

THIS ARTICLE REPORTS SEVERAL PSYCHIATRIC INVESTIGATIONS OF VARIOUS TYPES OF OFFENDERS, INCLUDING ADOLESCENT

SHOPLIFTERS AND ADULT PSYCHOPATHS. CLINICAL STUDIES WHICH USED THE ELECTROENCEPHALOGRAPH ARE ALSO REPORTED.

71. **CRIMINALITY AMONG PATIENTS WITH KLINEFELTER'S SYNDROME AND THE XYY SYNDROME.** By J. NIELSEN. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, V 117, (1970), P 365-369. NCJ-58770

TO DETERMINE THE FREQUENCY AND TYPES OF CRIMINALITY AMONG MEN WITH KLINEFELTER'S SYNDROME AND THE XYY SYNDROME, A STUDY WAS CONDUCTED USING A SAMPLE OF 73 RESIDENTS OF PSYCHIATRIC AND MEDICAL WARDS AND PRISONS.

72. **CRIMINALITY AND CHROMOSOMAL CONSTITUTION—RESULTS OF A GENETIC STUDY OF THREE POPULATIONS OF CRIMINALS AND OF A CONTROL GROUP FROM THE GENERAL POPULATION. (KRIMINALITAET UND CHROMOSOMALE KONSTITUTION—ERGEBNISSE EINER GENETISCHEN UNTERSUCHUNG VON DREI POPULATIONEN KRIMINELLER UND EINER VERGLEICHSSERIE AUS DER DURCHSCHNITTSBEVÖLKERUNG.)** By U. KLEIN-VOGLER and W. HABERLANDT. CARL HEY-MANN'S VERLAG, GEREONSTR 18-32, 5 COLOGNE 1, WEST GERMANY. *MONATSSCHRIFT FÜR KRIMINOLOGIE UND STRAFRECHTSREFORM*, V 57, N 6 (DECEMBER 1974), P 329-337. (In German) NCJ-16332

IN ACCORDANCE WITH OTHER ATTEMPTS TO EXPLAIN CRIMINALITY AS A BIOLOGICAL PHENOMENON, THIS WEST GERMAN STUDY FOUND A HIGHER RATE OF CHROMOSOMAL ABERRATIONS IN THE CRIMINAL POPULATIONS THAN IN THE GENERAL POPULATION.

73. **CRIMINALITY AND VIOLENCE IN EPILEPTIC PRISONERS.** By J. GUNN and J. BONN. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, V 118, N 544 (MARCH 1977), P 337-343. NCJ-57070

DIFFERENCES IN THE CRIMINAL BEHAVIOR OF 158 EPILEPTIC AND 180 NONEPILEPTIC PRISONERS IN 20 PENAL INSTITUTIONS IN ENGLAND AND WALES ARE EXPLORED.

**Supplemental Note:** SYNOPSIS OF THIS PAPER APPEARED IN THE OCTOBER 1970 JOURNAL.

74. **CRIMINALITY IN ADOPTEEs AND THEIR ADOPTIVE AND BIOLOGICAL PARENTS—A PILOT STUDY (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR, 1977, BY SARNOFF A MEDNICK AND KARL O CHRISTIANSEN—SEE NCJ-47285).** By B. HUTCHINGS and S. A. MEDNICK. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003, 15 p. 1977. NCJ-47280

THE CORRELATION BETWEEN THE CRIMINALITY OF THE BIOLOGICAL PARENTS AND THAT OF THE ADOPTEEs IS EXAMINED, WHILE ASSURING THAT THE CORRELATION IS INDEPENDENT OF THE CRIMINALITY OF THE ADOPTIVE PARENTS.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INST OF MENTAL HEALTH CENTER FOR STUDIES OF CRIME AND DELINQUENCY, WASHINGTON, DC 20203.

75. **CRIMINALITY IN XYY AND XXY MEN.** By H. A. WITKIN, S. A. MEDNICK, F. SCHULSINGER, E. BAKKESTROM, K. O. CHRISTIANSEN, D. R. GOODENOUGH, and K. HIRSCHHORN. AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, 1515 MASSACHUSETTS AVENUE, NW, WASHINGTON DC 20005. *SCIENCE*, V 193 (AUGUST 1976), P 547-555. NCJ-38263

REPORT ON A DANISH STUDY WHICH COMPARED CRIME RATES OF XY AND XYY ADULT MALES AND EXAMINED POSSIBLE MEDIATING VARIABLES IN THE RELATION BETWEEN AN EXTRA Y CHROMOSOME AND INCREASED ANTISOCIAL BEHAVIOR.

**Supplemental Notes:** ADDITIONAL AUTHORS ARE—LUNDSTEEN, C—OWEN, D R PHILIP, J—RUBIN, D B—STOCKING, M REPRINT.

76. **CRIMINO-BIOLOGIC STUDY OF PATIENTS WITH THE XYY SYNDROME AND KLINEFELTER'S SYNDROME.** By T. TSUBOI. SPRINGER-VERLAG, 175 FIFTH AVENUE, NEW YORK NY 10010. *HUMAN GENETICS*, V 10, N 1 (AUGUST 17, 1970), P 67-84. NCJ-57005

THIS ARTICLE REPORTS THE FINDINGS OF AN INVESTIGATION OF 12 PSYCHOPATHIC PATIENTS WITH CHROMOSOME ABERRATIONS, WHO WERE FOUND AMONG 480 PERSONS IN 2 DANISH INSTITUTIONS FOR CRIMINAL PSYCHOPATHS.

77. **CRIMINOLOGICAL ANTHROPOLOGY. (ANTHROPOLOGIE CRIMINELLE.)** By P. GRAPIN. 128 p. 1973. France. (In French) NCJ-14881

OVERVIEW OF HISTORICAL AND CONTEMPORARY CRIMINOLOGICAL THEORIES WHICH ARE BASED ON THE STUDY OF PHYSICAL AND MENTAL CHARACTERISTICS OF OFFENDERS.

**Availability:** PRESSES UNIVERSITAIRES DE FRANCE, 108, BOULEVARD SAINT-GERMAIN, PARIS, FRANCE.

78. **CRIMINOLOGICAL ANTHROPOLOGY. (ARGOMENTI DI ANTROPOLOGIA CRIMINOLOGICA.)** By B. PANNAIN. 349 p. 1973. Italy. (In Italian) NCJ-28446

THEORIES AND PRINCIPLES OF THE STUDY, OF THE CAUSES OF CRIME FROM THE BIOLOGICAL POINT OF VIEW FEATURING THE CONTRIBUTIONS TO THE FIELD MADE IN ITALY.

**Availability:** LIGUORI EDITORE, NAPLES, ITALY.

79. **CRIMINOLOGICAL SIGNIFICANCE OF THE FAMILY IN THE LIGHT OF THE STUDIES OF CRIMINAL TWINS.** By S. YOSHIMASU. JAPANESE ASSOCIATION OF CRIMINOLOGY, TOKYO MEDICAL AND DENTAL UNIV, 1-CHOME, YUSHIMA, BUNKYO-KU, TOKYO 113, JAPAN. *ACTA CRIMINOLOGIAE ET MEDICINAE LEGALIS JAPONICA*, V 27 (1981), P 117-141. NCJ-55311

THE RELATIONSHIP BETWEEN HEREDITY AND ENVIRONMENT IN THE CAUSATIVE FACTORS OF CRIME IS EXAMINED, IN LIGHT OF PAST RESEARCH IN JAPAN USING MONOZYGOTIC TWINS WITH LATENT OR ESTABLISHED CRIMINAL LIFE CURVES.

80. **CRIMINOLOGY AS AN INTERDISCIPLINARY BEHAVIORAL SCIENCE.** By C. R. JEFFERY. AMERICAN SOCIETY OF CRIMINOLOGY, 1314 KINNEAR ROAD, COLUMBUS OH 43212; SAGE PUBLICATIONS, INC, 275 SOUTH BEVERLY DRIVE, BEVERLY HILLS CA 90212. *CRIMINOLOGY*, V 16, N 2 (AUGUST 1978), P 149-169. NCJ-50790

BASIC ASSUMPTIONS ABOUT HUMAN NATURE THAT INFLUENCE APPROACHES TOWARDS CRIMINOLOGY AND CRIMINAL JUSTICE ARE EXAMINED, AND A NEW BIOSOCIAL CRIMINOLOGY MODEL IS PRESENTED.

81. **CRITERION OF BRAIN INSTABILITY—EEG (ELECTROENCEPHALOGRAPH) ACTIVATION (FROM BRAIN DYSFUNCTION IN AGGRESSIVE CRIMINALS, 1976, BY RUSSELL R MONROE—SEE NCJ-53119).** By R. R. MONROE, G. U. BALIS, and D. MCCULLOCH. HEATH LEXINGTON BOOKS, 125 SPRING STREET, LEXINGTON MA 02173. 16 p. 1978. NCJ-53124

THE USE OF ELECTROENCEPHALOGRAMS (EEG) TO STUDY HARDCORE AGGRESSORS IS DISCUSSED IN LIGHT OF THE HYPOTHESIS THAT SOME AGGRESSIVE BEHAVIOR IS LINKED TO EEG ABNORMALITIES THAT REFLECT CENTRAL NERVOUS SYSTEM INSTABILITY.

82. **CRITERION OF DYSCONTROL—A SELF-RATING SCALE (FROM BRAIN DYSFUNCTION IN AGGRESSIVE CRIMINALS, 1976, BY RUSSELL R MONROE—SEE NCJ-53119).** By R. R. MONROE. HEATH LEXINGTON BOOKS, 125 SPRING STREET, LEXINGTON MA 02173. 12 p. 1978. NCJ-53123

IT IS ARGUED THAT DATA CULLED FROM A STUDY OF 93 INMATES AT MARYLAND'S PATUXENT INSTITUTION ARE SUPPORTIVE OF THE MONROE DYSCONTROL SCALE AS AN ADEQUATE

MEASURE OF THE CORRELATES OF VIOLENT ANTISOCIAL BEHAVIOR.

- 83. CROOKED EARS AND THE BAD BOY SYNDROME—ASYMMETRY AS AN INDICATOR OF MINIMAL BRAIN DYSFUNCTION.** By K. E. DUFFEE. MENNINGER FOUNDATION, P O BOX 829, TOPEKA KS 66601. *BULLETIN OF THE MENNINGER CLINIC*, V 38, N 4 (JULY 1974), P 305-316.

NCJ-56735

EMPIRICAL STUDIES OF ASYMMETRICAL EAR PLACEMENT AS AN INDICATOR OF CENTRAL NERVOUS SYSTEM (CNS) DYSFUNCTION ARE REPORTED.

- 84. CROWDING AND CIVIL DISORDER—AN EXAMINATION OF COMPARATIVE NATIONAL AND CITY DATA.** By S. WELCH and A. BOOTH. SAGE PUBLICATIONS, INC, 275 SOUTH BEVERLY DRIVE, BEVERLY HILLS CA 90212. *COMPARATIVE POLITICAL STUDIES (APRIL 1975)*, P 58-74.

NCJ-37710

THE HYPOTHESIS OF THIS PAPER IS THAT HUMAN CONGESTIONS INDEPENDENT OF ITS LINKAGE WITH SOCIOECONOMIC STATUS VARIABLES, MAY BE ONE FACTOR CAUSING POLITICAL AGGRESSION AS EXPRESSED BY ACTS OF CIVIL DISORDER.

- 85. CROWDING AND URBAN CRIME RATES.** By A. BOOTH, S. WELCH, and D. R. JOHNSON. SAGE PUBLICATIONS, INC, 275 SOUTH BEVERLY DRIVE, BEVERLY HILLS CA 90212. *URBAN AFFAIRS QUARTERLY*, V 11, N 3 (MARCH 1976), P 291-307.

NCJ-36637

THE STUDY INVESTIGATED THE EFFECT OF HOUSEHOLD AND COMMUNITY CROWDING ON THE INCIDENCE OF CRIMES AGAINST PERSONS AND CRIMES AGAINST PROPERTY IN UNITED STATES CITIES.

- 86. CYTOGENETIC AND SOMATIC VARIATION IN THE NEUROBIOLOGY OF VIOLENCE—EPIDEMIOLOGICAL, CLINICAL AND MORPHOGENETIC CONSIDERATIONS (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W S FIELDS ET AL—SEE NCJ-57520).** By L. RAZAVI. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 68 p. 1975.

NCJ-57522

THIS ARTICLE FROM THE SYMPOSIUM ON NEURAL BASES OF VIOLENCE AND AGGRESSION REPORTS THAT SEX CHROMOSOME ABNORMALITIES ARE NOT THE ONLY CAUSE OF VIOLENT BEHAVIOR IN PERSONS WITH SUCH SYNDROMES.

- 87. CYTOGENETIC STUDY IN SEVERE JUVENILE DELINQUENTS.** By V. MEKANANDHA and S. BANPOTKASEM. MEDICAL ASSOCIATION OF THAILAND, 3 SILOM STREET, BANGKOK, THAILAND. *JOURNAL OF THE MEDICAL ASSOCIATION OF THAILAND*, V 55, N 1 (JANUARY 1972), P 32-35.

NCJ-56896

A CHROMOSOME SCREENING OF 100 INSTITUTIONALIZED MALE JUVENILE DELINQUENTS IN THAILAND IS REPORTED, AND THE RESULTS OF SEVERAL CHROMOSOME SCREENINGS OF DEVIANT MALES ARE COMPARED.

- 88. CYTOGENETIC STUDIES IN A MAXIMUM SECURITY HOSPITAL.** By J. MASTERSON, M. POWER, and E. O'BRIEN. IRISH MEDICAL ASSOCIATION, 10 FITZWILLIAM PLACE, DUBLIN, IRELAND. *JOURNAL OF THE IRISH MEDICAL ASSOCIATION*, V 63, N 400 (OCTOBER 1970), P 332-384.

NCJ-56888

THIS STUDY INVESTIGATES THE PREVALENCE OF CYTOGENETIC ABNORMALITIES IN THE POPULATION OF AN IRISH MAXIMUM SECURITY HOSPITAL—81 MALES AND 15 FEMALES.

- 89. DEFECTIVE DELINQUENCY MOVEMENT—A HISTORY OF THE BORN CRIMINAL IN NEW YORK STATE.** By N. F. HAHN. 821 p. 1979.

NCJ-56126

THE DEFECTIVE DELINQUENCY MOVEMENT, CHARACTERIZED BY ITS ATTEMPTS TO EQUATE MENTAL RETARDATION AND CRIMI-

NALITY, IS DESCRIBED IN THREE STAGES: ITS ORIGIN IN THE LATE 1800'S; ITS PEAK PERIOD, 1900 TO 1921; AND AFTER

**Supplemental Notes:** STATE UNIVERSITY OF NEW YORK AT ALBANY—DOCTORAL DISSERTATION.

**Availability:** UNIVERSITY MICROFILMS, 300 NORTH ZEEB ROAD, ANN ARBOR MI 48106. Stock Order No. 7814338.

- 90. DEFINITION AND PREVALENCE OF LEARNING DISABILITIES.** By P. B. CAMPBELL. 20 p. 1978.

NCJ-46416

LEARNING DISABILITIES (LD) ARE DEFINED, AND A SAMPLE GROUP IS ASSESSED TO DETERMINE THE INCIDENCE OF LD IN ADJUDICATED AND NONADJUDICATED BOYS.

**Supplemental Notes:** PRESENTED AT THE 1978 ACID (ASSOCIATION FOR CHILDREN WITH LEARNING DISABILITIES) ANNUAL CONFERENCE, KANSAS CITY, MISSOURI.

**Sponsoring Agency:** US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION NATIONAL INSTITUTE OF JUVENILE JUSTICE & DELINQUENCY PREVENTION, WASHINGTON, DC 20531.

**Availability:** NCJRS MICROFICHE PROGRAM.

- 91. DELINQUENCY AND CRIME—A BIOPSYCHOSOCIAL APPROACH EMPIRICAL, THEORETICAL, AND PRACTICAL ASPECTS OF CRIMINAL BEHAVIOR.** By J. B. CORTES and F. M. GATTI. 478 p. 1972.

NCJ-11799

BOOK CONSTRUCTING A BIOPHYSICAL THEORETICAL FORMULATION OF CRIMINAL BEHAVIOR FROM DATA ON THE CONSTITUTIONAL, TEMPERAMENTAL, MOTIVATIONAL, AND FAMILY VARIABLES IN THE PERSONALITY OF DELINQUENTS.

**Availability:** SEMINAR PRESS, INC, 111 FIFTH AVENUE, NEW YORK NY 10003.

- 92. DELINQUENCY AND HEALTH STATUS.** By H. CHAIKLIN, F. D. CHESLEY, and W. C. J. R. LITSINGER. NATIONAL ASSOCIATION OF SOCIAL WORKERS, 1425 H STREET, NW, WASHINGTON DC 20005. *HEALTH AND SOCIAL WORK*, V 2, N 3 (AUGUST 1977) P 25-37.

NCJ-81248

DATA FROM STUDIES OF THE HEALTH OF DEVIANT DELINQUENTS ARE USED AS A BASIS FOR A DISCUSSION ABOUT THE RELATION BETWEEN POOR HEALTH AND SOME FACTORS BELIEVED TO CONTRIBUTE TO DEVIANCY.

- 93. DELINQUENCY AND LEARNING DISABILITIES (FROM LEARNING DISABILITIES—INTRODUCTION TO EDUCATION AND MEDICAL MANAGEMENT, BY LESTER TARNOPOL).** By L. TARNOPOL. CHARLES C THOMAS, 301-327 EAST LAWRENCE AVENUE, SPRINGFIELD IL 62717. 28 p. 1967.

NCJ-57530

THE DELINQUENT, SCHOOL DROPOUT POPULATION FROM MINORITY GHETTOS IS BELIEVED TO CONTAIN A GREATER PERCENTAGE OF MINIMAL BRAIN DYSFUNCTION IN THE PRESENCE OF ADEQUATE INTELLIGENCE THAN THE GENERAL POPULATION OF CHILDREN.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH EDUCATION, AND WELFARE OFFICE OF JUVENILE DELINQUENCY AND YOUTH DEVELOPMENT, WASHINGTON DC 20203.

- 94. DELINQUENCY AND MINIMAL BRAIN DYSFUNCTION.** By L. TARNOPOL. PROFESSIONAL PRESS INC, 101 EAST ONTARIO STREET, CHICAGO IL 60611. *JOURNAL OF LEARNING DISABILITIES*, V 3, N 4 (APRIL 1970), P 200-207.

NCJ-57009

A STUDY OF MINIMAL BRAIN DYSFUNCTION AMONG MINORITY MALE DELINQUENT DROPOUTS IS REPORTED.

- 95. DELINQUENCY AND VIOLENCE FROM THE VIEWPOINT OF CRIMINOLOGY (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W S FIELDS AND W H SWEET—SEE NCJ-57520).** By M. E. WOLFGANG. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 35 p. 1975.

NCJ-57528



THIS SYMPOSIUM PAPER PRESENTS SOME IDEAS ABOUT MAN AND VIOLENCE IN GENERAL, CRIMES OF VIOLENCE, AND THE SUBCULTURE OF VIOLENCE, AND THEN EXAMINES A LONGITUDINAL STUDY OF DELINQUENCY IN A BIRTH COHORT.

96. **DELINQUENCY, PARENTAL PSYCHOPATHOLOGY, AND PARENTAL CRIMINALITY—CLINICAL AND EPIDEMIOLOGICAL FINDINGS.** By D. O. LEWIS, D. BALLA, S. SHANOK, and L. SNELL. YALE UNIVERSITY PRESS, 82A YALE STATION, NEW HAVEN CT 06520. *JOURNAL OF THE AMERICAN ACADEMY OF CHILD PSYCHIATRY*, V 15, N 3 (SUMMER 1976), P 685-678. NCJ-56887

FOUR GROUPS OF PARENTS FROM CONNECTICUT WERE USED TO EVALUATE CLINICAL OBSERVATIONS THAT SEVERELY DISTURBED PARENTS WILL HAVE CHILDREN WHO MANIFEST INCREASED SOCIAL DEVIANCE AND PSYCHIATRIC IMPAIRMENT.

**Sponsoring Agencies:** CONNECTICUT GOVERNOR'S PLANNING COMMITTEE ON CRIMINAL ADMINISTRATION, 75 ELM STREET, HARTFORD CT 06115; US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION.

97. **DELINQUENCY, PSYCHOMOTOR EPILEPTIC SYMPTOMS, AND PARANOID IDEATION—A TRIAD.** By D. O. LEWIS. AMERICAN PSYCHIATRIC ASSOCIATION, 1700 18TH STREET, NW, WASHINGTON DC 20009. *AMERICAN JOURNAL OF PSYCHIATRY*, V 133, N 2 (DECEMBER 1976), P 1395-1398. NCJ-56742

A RETROSPECTIVE REVIEW OF THE RECORDS OF ALL JUVENILES WITH PSYCHOMOTOR EPILEPTIC SYMPTOMS REFERRED TO A JUVENILE COURT CLINIC OVER A 2-YEAR PERIOD IS REPORTED.

98. **DELINQUENCY, PULSE RATES AND EARLY EMOTIONAL DEPRIVATION.** By M. E. J. WADSWORTH. INSTITUTE FOR THE STUDY AND TREATMENT OF DELINQUENCY, 11 NEW FETTER LANE, LONDON EC4 P4EE, ENGLAND. *BRITISH JOURNAL OF CRIMINOLOGY*, V 16, N 3 (JULY 1976), P 245-250. NCJ-36245

THIS STUDY INVESTIGATED THE THEORY THAT STRESS IN EARLY CHILDHOOD MAY CONTRIBUTE TO ATYPICAL AUTONOMIC ACTIVITY WHICH CAN LATER BE USED TO DIFFERENTIATE BETWEEN OFFENDERS OF VARIOUS KINDS AND NON-OFFENDERS.

99. **DELINQUENT AND DISTURBED BEHAVIOR WITHIN THE FIELD OF MENTAL DEFICIENCY.** By A. SHAPIRO. *INTERNATIONAL PSYCHIATRY CLINICS*, V 5, N 3 (1968), P 76-90. NCJ-57011

THIS PAPER REPORTS ON THE TREATMENT OF MALE ADOLESCENTS FOR BEHAVIORAL DISORDERS AND ARGUES THAT THERE IS NO QUALITATIVE DIFFERENCE BETWEEN PATIENTS OF LOWER AND HIGHER INTELLIGENCE.

100. **DELINQUENT AND HIS BRAIN.** By T. C. N. GIBBENS. ROYAL SOCIETY OF MEDICINE, 2 QUEEN ANNE STREET, LONDON W1M 0BR, ENGLAND. *PROCEEDINGS OF THE ROYAL SOCIETY OF MEDICINE*, V 62, N 1 (JANUARY 1969), P 57-59. NCJ-56893

POSSIBLE LINKS BETWEEN VARIOUS NEUROLOGICAL DISORDERS AND HANDICAPS AND THE DEVELOPMENT OF DEVIANT OR AGGRESSIVE BEHAVIOR ARE DISCUSSED, AND THE IMPACT OF SUCH DIAGNOSIS ON THE ADJUDICATORY PROCESS IS NOTED.

101. **DELINQUENT YOUTH AND LEARNING DISABILITIES.** N. P. RAMOS, Ed. ASSOCIATION FOR CHILDREN WITH LEARNING DISABILITIES, 2200 BROWNSVILLE ROAD, PITTSBURGH PA 15210; BOYS TOWN CENTER FOR THE STUDY OF YOUTH DEVELOPMENT, BOYS TOWN NE, 79 p. 1978. NCJ-46883

A DISCUSSION BY SOCIAL SERVICE, MEDICAL, AND JUDICIAL PROFESSIONALS OF THE RELATIONSHIP BETWEEN LEARNING DISABILITIES AND JUVENILE DELINQUENCY IS PRESENTED.

**Supplemental Notes:** BASED ON A SYMPOSIUM 'YOUTH IN TROUBLE' HELD IN SAN FRANCISCO, JANUARY 1977, AND SPONSORED BY THE ADOLESCENT AFFAIRS COMMITTEE OF THE ASSOCIATION FOR CHILDREN WITH LEARNING DISABILITIES.

**Sponsoring Agency:** ASSOCIATION FOR CHILDREN WITH LEARNING DISABILITIES, 2200 BROWNSVILLE ROAD, PITTSBURGH PA 15210.

**Availability:** ACADEMIC THERAPY PUBLICATIONS, 1539 FOURTH STREET, SAN RAFAEL CA 94801.

102. **DELINQUENTS ARE DISABLED—AN INNOVATIVE APPROACH TO THE PREVENTION AND TREATMENT OF JUVENILE DELINQUENCY—FINAL REPORT OF THE NEUROPSYCHOLOGY DIAGNOSTIC LABORATORY AT THE RHODE ISLAND TRAINING SCHOOLS.** UNIVERSITY OF RHODE ISLAND. 65 p. 1974. NCJ-16628

FORTY-FIVE INCARCERATED JUVENILE DELINQUENTS AND 45 MATCHED CONTROLS WERE EXAMINED USING THE HALSTEAD NEUROPSYCHOLOGICAL BATTERY TO INVESTIGATE THE OCCURRENCE OF ADAPTIVE DISABILITY IN DELINQUENTS.

**Sponsoring Agencies:** RHODE ISLAND DEPARTMENT OF CORRECTIONS, 75 HOWARD AVENUE, CRANSTON RI 02920; RHODE ISLAND GOVERNOR'S COMMITTEE ON DELINQUENCY AND CRIMINAL ADMINISTRATION.

**Availability:** NTIS.

103. **DEMONISM REVISITED—THE XYZ CHROMOSOMAL ANOMALY.** By T. R. SARBIN and J. E. MILLER. UNIVERSITY OF CALIFORNIA, BERKELEY SCHOOL OF CRIMINOLOGY, 101 HAVILAND HALL, BERKELEY CA 94720. *ISSUES IN CRIMINOLOGY*, V 5, N 2 (SUMMER 1970), P 195-207. NCJ-08174

HISTORICAL DEVELOPMENT OF INTERNAL CAUSALITY THEORY OF CRIMINAL BEHAVIOR AND ANALYSIS OF CHROMOSOMAL STUDIES CONCLUDES THIS APPROACH TO BE OF NO VALUE.

104. **DESIGNED TREATMENT PROGRAM OF SOCIOPATHY BY MEANS OF DRUGS—A SUMMARY REPORT.** By H. GOLDMAN, S. DINITZ, L. LINDNER, T. FOSTER, and H. ALLEN. OHIO STATE UNIVERSITY PROGRAM FOR THE STUDY OF CRIME AND DELINQUENCY, 1314 KINNEAR ROAD, COLUMBUS OH 43212. 75 p. 1974. NCJ-19432

RESULTS OF A SERIES OF INVESTIGATIONS INTO THE BIOLOGICAL AND BEHAVIORAL ASPECTS OF ANTISOCIAL SOCIOPATHY, DEALING PARTICULARLY WITH DRUG TREATMENT OF AUTONOMIC NERVOUS SYSTEM DYSFUNCTIONS WHICH MAY INSTIGATE SUCH DEVIANCE.

**Sponsoring Agencies:** US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION; OHIO DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT, 30 EAST BROAD STREET, 26TH FLOOR, COLUMBUS OH 43216; RAYMOND JOHN WEAN FOUNDATION, P O BOX 761, 347 NORTH PARK AVENUE, WARREN OH 44481.

**Availability:** NCJRS MICROFICHE PROGRAM.

105. **DEVELOPMENTAL ANALYSIS OF EEG (ELECTROENCEPHALOGRAPH) ABNORMALITIES IN JUVENILE DELINQUENTS.** By M. ASSAEL, R. KOHEN-RAZ, and S. ALPERN. PHYSICIAN POSTGRADUATE PRESS, BOX 38293, MEMPHIS TN 38138. *DISEASES OF THE NERVOUS SYSTEM*, V 28, N 1 (JANUARY 1967), P 49-54. NCJ-56741

ELECTROENCEPHALOGRAPH (EEG) FINDINGS FOR 72 JUVENILE DELINQUENTS AT A DIAGNOSIS AND OBSERVATION CENTER IN JERUSALEM, ISRAEL, ARE REPORTED.

106. **DIAGNOSIS OF SPECIFIC LEARNING DISABILITIES IN A JUVENILE DELINQUENT POPULATION.** By J. W. PODBOY and W. A. MALLORY. ADMINISTRATIVE OFFICE OF THE UNITED STATES COURTS, SUPREME COURT

BUILDING, WASHINGTON DC 20544. *FEDERAL PROBATION*, V 42, N 3 (SEPTEMBER 1978), P 28-33.

NCJ-52114

THE APPLICATION OF A LEARNING DISABILITY DIAGNOSTIC BATTERY TO A RANDOMIZED SAMPLE OF JUVENILE DELINQUENTS TO IDENTIFY LEARNING DISABILITIES IS REPORTED.

Availability: NCJRS MICROFICHE PROGRAM.

107. **DIAGNOSTIC EVALUATION OF COMMITTED DELINQUENTS (FROM YOUTH IN TROUBLE—A SYMPOSIUM, MAY 2-3 1974 BY BETTY LOU KRATOVILLE—SEE NCJ-35902).** By R. E. COMPTON. ACADEMIC THERAPY PUBLICATIONS, 1539 FOURTH STREET, SAN RAFAEL CA 94901. 13 p. 1974. NCJ-35904

THE SPEAKER REPORTS THE HISTORY AND RESULTS OF A STUDY CONDUCTED IN THE COLORADO YOUTH SERVICES' DIAGNOSTIC RECEIVING CENTER WHICH SHOWS THAT A GREAT MAJORITY OF THE DELINQUENTS STUDIED SUFFERED FROM LEARNING DISABILITIES.

108. **DIET FOR REHABILITATION.** By B. D'ASARO. MORRIS COUNTY OFFICE OF THE SHERIFF, COUNTY COURTHOUSE, MORRISTOWN NJ 07880. 13 p. 1974. NCJ-12934

EXPLANATION OF THE BEHAVIOR-PRODUCING EFFECTS OF LOW BLOOD SUGAR (HYPOGLYCEMIA) WITH SUGGESTIONS FOR CHANGING JAIL DIETS TO MINIMIZE HYPOGLYCEMIA AMONG INMATES.

Sponsoring Agency: NEW JERSEY STATE LAW ENFORCEMENT PLANNING AGENCY, 3535 QUAKER BRIDGE ROAD, TRENTON NJ 08625.

109. **DIET-VITAMIN PROGRAM FOR JAIL INMATES.** By B. D'ASARO, C. GROESBECK, and C. NIGRO. ACADEMY OF ORTHOMOLECULAR PSYCHIATRY, 2231 BROAD STREET, REGINA, SASKATCHEWAN, CANADA S4P 1A7. *JOURNAL OF ORTHOMOLECULAR PSYCHIATRY*, V 4, N 3 (1975), P 212-222. NCJ-55675

TWENTY-FIVE INMATES OF A COUNTY JAIL PARTICIPATED IN AN 8-WEEK TREATMENT AND MIXED TREATMENT AND PLACEBO STUDY OF THE REHABILITATIVE EFFECTS OF DIET EDUCATION, DIET CHANGE AND VITAMIN SUPPLEMENTATION.

110. **DIFFERENTIAL ELECTROENCEPHALOGRAPHIC PATTERNS OF ADOLESCENT MALE PRISONERS, A SUMMARY OF THE PRELIMINARY REPORT.** By R. T. OSBORNE. UNIVERSITY OF GEORGIA. 25 p. 1968. NCJ-08961

RESEARCH ON THE RELATIONSHIP OF EEG FREQUENCIES TO ABNORMAL BEHAVIOR, FOR USE IN EXPANDING PSYCHOLOGICAL EVALUATION IN A VOCATIONAL REHABILITATION PROGRAM.

Sponsoring Agency: GEORGIA DIVISION OF VOCATIONAL REHABILITATION, 47 TRINITY AVENUE, SW, ROOM 810-S, ATLANTA GA 30334.

111. **DIFFERENTIAL OUTCOMES AMONG MISDEMEANANT PROBATIONERS THROUGH THE USE OF ORTHOMOLECULAR APPROACHES AND CASEWORK/COUNSELING.** By A. G. SCHAUS. 39 p. 1978. NCJ-54024

A SAMPLE OF 102 MISDEMEANANT PROBATIONERS WAS USED IN A COMPARATIVE ANALYSIS OF THE UTILITY OF ORTHOMOLECULAR, VERSUS CONVENTIONAL CASEWORK/COUNSELING APPROACHES TO REDUCING RECIDIVISM IN WASHINGTON STATE.

Supplemental Notes: PRESENTED AT THE 1978 ANNUAL MEETING OF THE AMERICAN SOCIETY OF CRIMINOLOGY, DALLAS, TEXAS, NOVEMBER 1978.

Availability: NCJRS MICROFICHE PROGRAM.

112. **DIPHENYLHYDANTOIN IN CHILDREN WITH SEVERE TEMPER TANTRUMS.** By A. LOOKER and C. K. CONNERS. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF GENERAL PSYCHIATRY*, V 23 (JULY 1970), P 80-89. NCJ-55083

SEVENTEEN JUVENILES WERE TREATED WITH DIPHENYLHYDANTOIN FOR 9 WEEKS TO DETERMINE THE DRUG'S EFFECTIVENESS IN DECREASING THE FREQUENCY AND SEVERITY OF TEMPER TANTRUMS IN CHILDREN SUSPECTED OF MINIMAL BRAIN DYSFUNCTION.

113. **DYSLEXIA AND DELINQUENCY—A NEW DYSLEXIA SCREENING TEST.** By N. D. RIZZO. ASSOCIATION FOR PSYCHIATRIC TREATMENT OF OFFENDERS, 199 GLOBUCESTER PLACE, LONDON NW1 6BU, ENGLAND. *INTERNATIONAL JOURNAL OF OFFENDER THERAPY AND COMPARATIVE CRIMINOLOGY*, V 19, N 2 (1975), P 164-177. NCJ-29480

THIS ARTICLE REVIEWS THE CAUSES OF DYSLEXIA (A LEARNING DISABILITY INVOLVING DIFFICULTY IN LEARNING TO READ), DISCUSSES THE RELATIONSHIP OF DYSLEXIA AND JUVENILE DELINQUENCY, AND OUTLINES A DYSLEXIA SCREENING TEST.

114. **DYSLEXIA, SPECIFIC LEARNING DISABILITY AND DELINQUENCY.** By W. MULLIGAN. NATIONAL COUNCIL OF JUVENILE AND FAMILY COURT JUDGES, BOX 8978, UNIVERSITY OF NEVADA, RENO NV 89507. *JUVENILE JUSTICE*, V 23, N 3 (NOVEMBER 1972), P 20-24. NCJ-07537

DISCUSSION OF DELINQUENT CHILDREN WHO HAVE DEFECTIVE LANGUAGE ACHIEVEMENT IN READING, WRITING, AND SPELLING.

115. **ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS.** L. J. HIPPCHEN, Ed. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 416 p. 1978. NCJ-50444

DEVELOPMENTS IN THE STUDY OF ENVIRONMENTAL AGENTS (FOODS, CHEMICAL FUMES, DRUGS, CONTAMINANTS) AND CHEMICAL IMBALANCES IN THE BRAIN AS CAUSES OF DELINQUENCY AND CRIME-RELATED BEHAVIORAL DISORDERS ARE DOCUMENTED.

Availability: VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001.

116. **ECOLOGICAL ASPECTS OF ANTISOCIAL BEHAVIOR (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEN SEE NCJ-50444).** By W. H. PHILPOTT. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 22 p. 1978. NCJ-50450

THE RELATIONSHIPS BETWEEN MALADAPTIVE REACTIONS TO FOODS AND CHEMICALS AND PSYCHOTIC OR BIZARRE BEHAVIOR ARE EXAMINED. TESTING FOR FOOD ALLERGY IS RECOMMENDED AS A STANDARD PROCEDURE IN PSYCHIATRIC EXAMINATION.

117. **EEG (ELECTROENCEPHALOGRAPH) ABNORMALITIES AS A CORRELATE OF BEHAVIOR IN ADOLESCENT MALE DELINQUENTS.** By S. D. LOOMIS. AMERICAN PSYCHIATRIC ASSOCIATION, 1700 18TH STREET, NW, WASHINGTON DC 20009. *AMERICAN JOURNAL OF PSYCHIATRY*, V 121, N 10 (APRIL 1965), P 1003-1006. NCJ-56740

ELECTROENCEPHALOGRAPH (EEG) READINGS AND PSYCHOLOGICAL EVALUATIONS FOR 150 MALE DELINQUENTS AT THE ILLINOIS STATE TRAINING SCHOOL FOR BOYS ARE ANALYZED.

118. **EEG (ELECTROENCEPHALOGRAPH) AND RORSCHACH FINDINGS IN A GROUP OF JUVENILE DELINQUENTS SUSPECT OF ORGANIC BRAIN DISORDER.** By R. KOHEN-RAZ and M. ASSAEL. SCHWABE AND COMPANY, STEINENTROSTRASSE 13, 4010 BASEL, SWITZERLAND. *ACTA PAEDOPSYCHIATRICA*, V 33, N 8 (AUGUST 1968), P 251-258. NCJ-56739

ELECTROENCEPHALOGRAPH (EEG) READINGS, OBSERVATIONAL DATA, AND RORSCHACH (INK BLOT) TEST PERFORMANCE ARE EXAMINED IN A STUDY OF 19 MALE JUVENILE DELINQUENTS SUSPECTED OF HAVING ORGANIC BRAIN DISORDERS.

Sponsoring Agency: ISRAEL MINISTRY OF SOCIAL WELFARE.



119. EEG (ELECTROENCEPHALOGRAPH) AND SEX CHROMOSOME ABNORMALITIES. By G. W. FENTON, T. G. TENNENT, K. A. COMISH, and N. RATTRAY. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, (1971), P 185-190.

NCJ-55084

INITIAL FINDINGS ARE PROVIDED FROM A COMPARATIVE STUDY OF ABNORMAL ELECTROENCEPHALOGRAMS (EEG) IN PATIENTS WITH SEX CHROMOSOME IRREGULARITIES AND A GROUP OF MATCHED CONTROLS WITH NORMAL CHROMOSOME COMPLEMENTS.

120. EEG (ELECTROENCEPHALOGRAPH) STUDY OF DELINQUENT ADOLESCENTS WITH REFERENCE TO RECIDIVISM AND MURDER. By M. KIDO. JAPANESE SOCIETY FOR PSYCHIATRY AND NEUROLOGY, C/O TOKYO BUNKO, 2-28-21 HONKOMAGOME, BUNKYO-KU, TOKYO 113, JAPAN. *FOLIA PSYCHIATRICA ET NEUROLOGICA JAPONICA*, V 27, N 2 (1977), P 77-84.

NCJ-56815

AN ELECTROENCEPHALOGRAPH (EEG) STUDY IS MADE OF 188 MALE JUVENILE DELINQUENTS WITH REFERENCE TO RECIDIVISM AND MURDER AND THEIR RELATION TO 14 AND 8/SEC SPIKE PATTERNS, 8/SEC WAVES, AND LOW PENTAMETHYLENETETRAZOL THRESHOLDS.

121. EEG (ELECTROENCEPHALOGRAPH) STUDY OF DELINQUENT AND NONDELINQUENT ADOLESCENTS. By J. M. WIENER, J. G. DELANO, and D. W. KLASS. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF GENERAL PSYCHIATRY*, V 15, N 2 (AUGUST 1966), P 144-160.

NCJ-56738

ELECTROENCEPHALOGRAPH (EEG) READINGS FOR DELINQUENT AND NONDELINQUENT ADOLESCENT MALES ARE COMPARED.

122. EFFECT OF A VISUAL TRAINING PROGRAM ON JUVENILE DELINQUENCY. By R. T. DOWIS. AMERICAN OPTOMETRIC ASSOCIATION, 7000 CHEPPEWA STREET, ST LOUIS MO 63119. *JOURNAL OF THE AMERICAN OPTOMETRIC ASSOCIATION*, V 48, N 9 (SEPTEMBER 1977), P 1173-1178.

NCJ-45439

RESULTS OF A STUDY TO DEMONSTRATE A RELATIONSHIP BETWEEN VISION-RELATED LEARNING DISABILITIES AND JUVENILE DELINQUENCY ARE REPORTED.

123. EFFECT OF BRAIN INJURY ON SOCIAL ADAPTABILITY. By M. VIRKKUNEN, A. NUUTILA, and S. HUUSKO. ACTA PSYCHIATRICA SCANDINAVICA, KR 348 MUNKSGAARD, NOERRE SOEGADE 35, DK-1370 COPENHAGEN, DENMARK. *ACTA PSYCHIATRICA SCANDINAVICA*, V 53 (1976), P 168-172.

NCJ-38028

THIS FINNISH STUDY TRIED TO CLARIFY SOCIAL ADAPTABILITY OF PERSONS WITH BRAIN INJURIES BY USING A LONG-TERM CRIMINAL DEVELOPMENT AS A CRITERION.

124. EFFECTS OF DIPHENYLHYDANTOIN ON DISRUPTIVE BEHAVIOR STUDY OF MALE DELINQUENTS. By M. M. LEFKOWITZ. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF GENERAL PSYCHIATRY*, V 20, N 8 (JUNE 1969), P 843-851.

NCJ-55803

THIS STUDY INVESTIGATES THE EFFECTS OF DIPHENYLHYDANTOIN ON DISRUPTIVE BEHAVIOR IN A SAMPLE OF 200 MALE DELINQUENTS, PREDICTING THAT THE DRUG WILL REDUCE AGGRESSIVENESS, IRRITABILITY, AND OTHER PROBLEM BEHAVIOR.

125. ELECTRODERMAL AND CARDIOVASCULAR CORRELATES OF PSYCHOPATHY (FROM PSYCHOPATHIC BEHAVIOUR—APPROACHES TO RESEARCH, 1976, BY R D HARE AND D SCHALLING—SEE NCJ-57500). By R. D. HARE. JOHN WRIGHT AND SONS, LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND, 37 p. 1978. United Kingdom.

NCJ-57502

AN OVERVIEW IS PROVIDED OF CONTEMPORARY PHYSIOLOGICAL RESEARCH AND THEORY ON THE NATURE OF PSYCHOPATHY, WITH PARTICULAR EMPHASIS ON THE CORRELATES OF ELECTRODERMAL AND CARDIOVASCULAR ACTIVITY.

126. ELECTROENCEPHALOGRAMS IN PSYCHOPATHIC PERSONALITY AND IN MURDERERS (FROM APPLICATIONS OF ELECTROENCEPHALOGRAPHY IN PSYCHIATRY, 1968, BY WILLIAM P WILSON). By J. R. KNOTT. LAW REFORM COMMISSION OF AUSTRALIA, 89 ELIZABETH STREET, SYDNEY, NSW, AUSTRALIA. 11 p. 1965.

NCJ-55847

DATA RELATING ELECTROENCEPHALOGRAPHIC (EEG) ABNORMALITIES TO PSYCHOPATHIC PERSONALITIES AND MURDERERS ARE REVIEWED IN THIS SURVEY OF EEG RESEARCH FROM 1942 THROUGH THE EARLY 1960'S.

127. ENURESIS, FIRE SETTING, AND ANIMAL CRUELTY IN MALE ADOLESCENT DELINQUENTS—A TRIAD PREDICTIVE OF VIOLENT BEHAVIOR. By D. WAX and V. HADDIX. *JOURNAL OF PSYCHIATRY AND LAW*, V 2, N 1 (SPRING 1974), P 45-1.

NCJ-55408

USING SIX CASE STUDIES OF AGGRESSIVE-VIOLENT MALE ADOLESCENTS, THIS PAPER EXAMINES AND CONFIRMS THE TRIAD HYPOTHESIS THAT ENURESIS, FIRE SETTING, AND ANIMAL CRUELTY ARE HIGHLY PREDICTIVE OF ADULT MALE VIOLENCE.

128. ENVIRONMENTAL AND GENETIC FACTORS IN PSYCHOPATHOLOGY AND CRIMINALITY. By B. HUTCHINGS. 130 p. 1972. Denmark.

NCJ-31564

A RETROSPECTIVE INVESTIGATION OF REGISTERED CRIMINALITY AMONGST ADOPTEDS AND THEIR ADOPTIVE AND BIOLOGICAL RELATIVES.

Supplemental Notes: UNIVERSITY OF LONDON—MASTERS THESIS.

Sponsoring Agency: US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTE OF MENTAL HEALTH, 5600 FISHERS LANE, ROCKVILLE, MD 20852.

129. ENVIRONMENTAL DESIGN AND THE PREVENTION OF BEHAVIORAL DISORDERS AND CRIMINALITY (FROM CRIME PREVENTION STRATEGIES OF THE 70'S, 1974—SEE NCJ-48253). By C. R. JEFFERY. OHIO STATE UNIVERSITY PROGRAM FOR THE STUDY OF CRIME AND DELINQUENCY, 1314 KINNEAR ROAD, COLUMBUS OH 43212. 18 p. 1974.

NCJ-48256

ASPECTS OF A PREVENTIVE, AS OPPOSED TO A PUNITIVE/REHABILITATIVE, EMPHASIS IN CRIMINOLOGY ARE OUTLINED, AND ELEMENTS OF A MAN-ENVIRONMENT APPROACH TO UNDERSTANDING HUMAN BEHAVIOR ARE CONSIDERED.

Availability: NCJRS MICROFICHE PROGRAM.

130. ENVIRONMENTAL INFLUENCES ON CRIMINAL ACTIVITY IN KOREA. By D. H. CHANG. SAGE PUBLICATIONS, INC, 275 SOUTH BEVERLY DRIVE, BEVERLY HILLS CA 90212. *CRIMINOLOGY*, V 10, N 3 (NOVEMBER 1972), P 338-352.

NCJ-07635

STATISTICAL CORRELATIONS BETWEEN DIFFERENT TYPES OF CRIMINAL ACTIVITIES AND THE HOUR OF THE DAY, CLIMATE AND WEATHER CONDITIONS, SEASONAL CYCLE, AND DAY OF THE WEEK.

131. EPILEPSY AND CRIMINALITY. By A. M. L. DE HAAS. STEVENS AND SONS, 11 NEW FETTER LANE, LONDON, ENGLAND; INSTITUTE FOR THE STUDY AND TREATMENT OF DELINQUENCY, 34 SURREY STREET, CROYDON, SURREY CRO IRJ UK. *BRITISH JOURNAL OF CRIMINOLOGY*, V 3, N 3 (JANUARY 1963), P 246-256.

NCJ-55066

THIS REVIEW OF RESEARCH ON EPILEPSY ARGUES THAT IT SHOULD BE REGARDED AS A MEDICAL, PSYCHIATRIC, AND OCCASIONAL LEGAL PROBLEM, MAINLY WITHIN THE SCOPE OF CAUSIS-

TICS, AND NOT AS A CRIMINOLOGICAL PROBLEM OF VITAL IMPORTANCE.

**Supplemental Notes:** BASED ON PAPER PRESENTED AT THE 4TH INTERNATIONAL CRIMINOLOGICAL CONGRESS, THE HAGUE, SEPTEMBER 5-12, 1960.

132. **EPILEPSY, AUTOMATISM, AND CRIME.** By J. GUNN and G. FENTON. LITTLE BROWN AND COMPANY, 200 WEST STREET, WALTHAM MA 02154. *LANCET*, V 1 (JUNE 1971), P 1173-1176. NCJ-55293

THIS DISCUSSION OF THE POSSIBLE RELATIONSHIP BETWEEN EPILEPSY AND CRIME FOCUSES ON AN ENGLISH SURVEY OF EPILEPTIC PRISONERS AND A SAMPLE OF HOSPITALIZED PATIENTS SUFFERING FROM EPILEPSY.

133. **EPILEPSY IN PRISONS—A DIAGNOSTIC SURVEY.** By J. GUNN. BRITISH MEDICAL ASSOCIATION, BMA HOUSE, TAVISTOCK SQUARE, LONDON WC1 H6JR, ENGLAND. *BRITISH MEDICAL JOURNAL*, V 4 (NOVEMBER 8, 1969), P 326-328. NCJ-56731

THE INCIDENCE OF EPILEPSY AMONG BRITISH INMATES OF BORSTALS AND PRISONS IS ASSESSED, AND POSSIBLE LINKS BETWEEN EPILEPSY AND ANTISOCIAL BEHAVIOR ARE CONSIDERED.

134. **EPILEPTIC AUTOMATISM AND VIOLENCE.** By S. J. KNOX. SWEET AND MAXWELL, 11 NEW FETTER LANE, LONDON, ENGLAND. *MEDICINE SCIENCE AND THE LAW*, V 8, N 2 (APRIL 1968), P 98-104. NCJ-56890

CERTAIN ASPECTS OF EPILEPTIC AUTOMATISM ARE EXPLORED WITH EMPHASIS ON ASSESSING THE DURATION OF AUTOMATISM, THE FREQUENCY OF VIOLENT BEHAVIOR, AND THE NATURE OF VIOLENCE ASSOCIATED WITH AUTOMATISM.

135. **EPILEPTIC MURDERER.** By E. PODOLOSKY. DRAMRITE PRINTERS LTD, 129 LONG LANE, LONDON SE1 4PH, ENGLAND. *MEDICO-LEGAL JOURNAL*, V 15, N 4 (1962), P 176-177. NCJ-56734

CASE STUDIES AND RESEARCH INDICATING THAT SOME MURDERS MAY BE SUBSTITUTES FOR EPILEPTIC CONVULSIONS ARE DISCUSSED.

136. **EPISODIC DYSCONTROL—A STUDY OF 130 VIOLENT PATIENTS.** By G. BACH-Y-RITA, J. R. LION, C. E. CLIMENT, and F. R. ERVIN. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. *AMERICAN JOURNAL OF PSYCHIATRY*, V 127, N 11 (MAY 1971), P 1473-1478. NCJ-55215

A 2-YEAR STUDY OF 130 CLINIC PATIENTS WHOSE MAJOR COMPLAINT WAS OUTBURSTS OF VIOLENT BEHAVIOR, USUALLY ASSOCIATED WITH ASSAULTS ON OTHER PERSONS, IS REPORTED.

**Supplemental Notes:** READ AT THE 123RD ANNUAL MEETING OF THE AMERICAN PSYCHIATRIC ASSOCIATION, SAN FRANCISCO, CALIFORNIA, MAY 11-15, 1970.

137. **EPISODIC DYSCONTROL—DEFINITIONS, DESCRIPTIONS, AND MEASUREMENT (FROM BRAIN DYSFUNCTION IN AGGRESSIVE CRIMINALS, 1976, BY RUSSELL R. MONROE—SEE NCJ-53119).** By G. U. BALIS and M. McDONALD. HEATH LEXINGTON BOOKS, 125 SPRING STREET, LEXINGTON MA 02173. 15 p. 1976. NCJ-53120

IN SUPPORT OF A VALIDATION STUDY OF A TWO-DIMENSIONAL METHOD FOR CLASSIFYING AGGRESSIVE CRIMINAL BEHAVIOR, A THEORY OF EPISODIC BEHAVIORAL DISORDER WAS REVIEWED, ALONG WITH PSYCHOLOGICAL MEASURES OF DYSCONTROL BEHAVIOR.

138. **ESTABLISHING A PROGRAM FOR THE CHEMICALLY DEPENDENT OFFENDER (FROM AMERICAN CORRECTIONAL ASSOCIATION PROCEEDINGS OF THE 106TH ANNUAL CONGRESS OF CORRECTIONS, 1974—SEE NCJ-49145).** By M. P. HAWORTH. AMERICAN CORRECTIONAL ASSOCIATION, 4321 HARTWICK ROAD, COLLEGE PARK MD 20740. 3 p. 1976. NCJ-49155

BIOCHEMICAL PROBLEMS AS CAUSATIVE FACTORS IN CRIME AND DELINQUENCY ARE DISCUSSED, AND BIOCHEMICAL TREATMENT STRATEGIES ARE DESCRIBED.

139. **ESTABLISHING AN OPERATIONAL DEFINITION OF JUVENILE DELINQUENCY.** By F. GREGURAS, P. BRODER, and J. ZIMMERMAN. CREIGHTON INSTITUTE FOR BUSINESS, LAW AND SOCIAL RESEARCH. 33 p. 1978. NCJ-46419

AN APPROACH TO THE OPERATIONAL DEFINITION OF JUVENILE DELINQUENCY, UNDERTAKEN IN THE CONTEXT OF A COMPLEX RESEARCH EFFORT, IS DOCUMENTED.

**Supplemental Notes:** REPORT NO 13.

**Sponsoring Agency:** US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION NATIONAL INSTITUTE OF JUVENILE JUSTICE & DELINQUENCY PREVENTION, WASHINGTON, DC 20531.

**Availability:** NCJRS MICROFICHE PROGRAM.

140. **ETIOLOGY OF LEARNING DISABILITIES, DRUG ABUSE AND JUVENILE DELINQUENCY (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1976, BY LEONARD J. HIPPCHEN—SEE NCJ-50444).** By A. COTT. VAN NOSTRAND REINHOLD, 450 WEST 39RD STREET, NEW YORK NY 10001. 14 p. 1978. NCJ-50448

THE RELATIONSHIP BETWEEN EARLY LEARNING DISABILITIES, OFTEN FOUND WITH HYPERACTIVE BEHAVIOR, AND LATER DELINQUENCY OR DRUG DEPENDENCY IS DISCUSSED. THIS PAPER EXAMINES SOME POSSIBLE BIOLOGICAL CAUSES.

141. **EVALUATION OF ORGANIC FACTORS IN PATIENTS WITH IMPULSE DISORDERS AND EPISODIC VIOLENCE (FROM ISSUES IN BRAIN/BEHAVIOR CONTROL, 1976, BY W. L. SMITH AND A. KLING—SEE NCJ-57467).** By F. R. ERVIN. SPECTRUM PUBLICATIONS, INC, 75-31 192ND STREET, FLUSHING NY 11366. 10 p. 1976. NCJ-57468

A PSYCHIATRIST DISCUSSES HIS WORK WITH PATIENTS WHO, COMPLAINING OF IMPULSE DISORDERS RESULTING IN EPISODIC VIOLENCE, ADMITTED THEMSELVES TO A CLINIC. THEIR PROBLEMS AND THOSE OF SELECTED PRISON INMATES APPEAR RELATED.

142. **EXAMPLE OF BIOSOCIAL INTERACTION RESEARCH—THE INTERPLAY OF SOCIOENVIRONMENTAL AND INDIVIDUAL FACTORS IN THE ETIOLOGY OF CRIMINAL BEHAVIOR (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR, BY S. A. MEDNICK—SEE NCJ-47285).** By S. A. MEDNICK, L. KIRKEGAARD-SØRENSEN, B. HUTCHINGS, J. KNOP, R. ROSENBERG, and F. SCHULSINGER. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 15 p. 1977. NCJ-47286

THE DISTINGUISHING PERSONAL CHARACTERISTICS OR EXPERIENCES OF THE LAW-ABIDING PERSON RAISED IN A CRIMINAL FAMILY AND THOSE OF THE CRIMINAL RAISED IN A CRIME-FREE FAMILY MILIEU ARE RESEARCHED.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INST OF MENTAL HEALTH CENTER FOR STUDIES OF CRIME AND DELINQUENCY, WASHINGTON, DC 20203.

143. **EXTRA Y CHROMOSOME AND DEVIANT BEHAVIOR—A BIBLIOGRAPHY.** By R. G. COX. UNIVERSITY OF TORONTO CENTRE OF CRIMINOLOGY, TORONTO, CANADA. 21 p. 1970. Canada. NCJ-01865

BIBLIOGRAPHY OF THE GENETIC INQUIRY INTO THE XYY CHROMOSOMAL ABNORMALITY AND ITS RELATION TO DEVIANT SOCIAL BEHAVIOR.

144. **EYSENCK'S THEORY OF CRIMINALITY—A NEW APPROACH.** By P. K. BURGESS. FRED B. ROTHMAN, 10368 W. CENTENNIAL RD, LITTLETON CO 80123. *BRITISH JOURNAL OF CRIMINOLOGY*, V 12, N 1 (JANUARY 1972), P 74-82. NCJ-04538

EXPERIMENT WHICH TESTED THE VALIDITY OF EYSENCK'S HYPOTHESIS THAT MANY CRIMINALS HAVE NEUROTIC, EXTRAVERTED PERSONALITIES AND POOR CONDITIONING RESPONSES.

- 145. FACTORS OF DEVIANT BEHAVIOR IN MENTAL PATIENTS.** By J. M. MULLEN. 293 p. 1975. NCJ-56964

THIS EXPLORATORY STUDY USES MULTIVARIATE ANALYSIS TO EXAMINE TWO ISSUES: THE EXTENT OF DEVIANCE AND VIOLENCE AMONG EX-MENTAL PATIENTS AND FACTORS INFLUENCING THIS DEVIANCE OR VIOLENCE.

**Supplemental Notes:** SPECIAL PRICES AVAILABLE FOR ACADEMIC INSTITUTIONS NORTH CAROLINA STATE UNIVERSITY AT RALEIGH—DOCTORAL THESIS.

**Availability:** UNIVERSITY MICROFILMS, 300 NORTH ZEEB ROAD, ANN ARBOR MI 48106. Stock Order No. 76-2418. (Microfiche)

- 146. FOLLOW-UP STUDIES OF JUVENILE VIOLENT OFFENDERS—WEST GERMANY. (KATAMNESEN JUGENDLICHER GEWALTDelinquenten.)** By H. STUTTE and R. WALTER. CARL HEYMANNS VERLAG, GERONSTR 18-32, 5 COLOGNE 1, WEST GERMANY. MONATSSCHRIFT FUER KRIMINOLOGIE UND STRAFRECHTSREFORM, V 59, N 6 (DECEMBER 1976), P 309-320. (In German) NCJ-39348

THIRTY-FOUR OF A TOTAL OF 58 PERSONS UNDERWENT A FOLLOW UP MEDICAL HISTORY EXAMINATION AS PART OF A PROJECT SUBSIDIZED BY THE DEUTSCHE FORSCHUNGSGEMEINSCHAFT (DFG: GERMAN SOCIETY OF RESEARCH).

- 147. FORTY-SEVEN, XYY CHROMOSOMAL ABNORMALITY—A CRITICAL APPRAISAL WITH RESPECT TO ANTISOCIAL AND VIOLENT BEHAVIOR (FROM ISSUES IN BRAIN/BEHAVIOR CONTROL, 1987, BY W. L. SMITH AND A. KLINE—SEE NCJ-57467).** By S. A. SHAH. SPECTRUM PUBLICATIONS, INC, 75-31 192ND STREET, FLUSHING NY 11366. 19 p. 1976. NCJ-57469

AVAILABLE EVIDENCE ON XYY CHROMOSOMAL ABNORMALITIES AND THEIR ROLE IN VIOLENT AND ANTISOCIAL BEHAVIOR ARE REVIEWED, AND IT IS ARGUED THAT GENE STUDIES HAVE NOT ESTABLISHED THE EXTRA Y'S ASSOCIATION WITH DEVIANCE.

- 148. FORTY-SEVEN, XYY MALE—A REVIEW.** By D. R. OWEN. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. PSYCHOLOGICAL BULLETIN, V 78, N 3 (SEPTEMBER 1972), P 209-233. NCJ-55619

BASED ON A DECADE OF INDIVIDUAL RESEARCH EFFORTS DEALING WITH ABNORMAL CHROMOSOME COMPOSITIONS, REPORTS OF MALES WITH 47,XYY CHROMOSOME COMPLEMENT ARE REVIEWED IN TERMS OF PSYCHOLOGICAL AND PHYSICAL VARIABLES.

- 149. FORTY-SEVEN, XYY MALE WITH SPECIAL REFERENCE TO BEHAVIOR.** By W. H. PRICE and P. A. JACOBS. SEMINARS IN PSYCHIATRY, V 2, N 1 (FEBRUARY 1970), P 30-39. NCJ-55807

THE STATUS OF KNOWLEDGE ABOUT THE 47,XYY MALE IS REVIEWED WITH EMPHASIS ON THE FREQUENCY WITH WHICH SUCH MEN ARE FOUND IN BOTH NORMAL POPULATIONS AND SUBGROUPS DEFINED BY ANTISOCIAL BEHAVIOR OR MENTAL DISORDER.

- 150. FORTY-SEVEN, XYY SYNDROME, HEIGHT AND INSTITUTIONALIZATION OF JUVENILE DELINQUENTS.** By D. S. BORGAONKAR, W. M. UNGER, S. M. MOORE, and T. A. CROFTON. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. BRITISH JOURNAL OF PSYCHIATRY, V 120, N 558 (MAY 1972), P 549-550. NCJ-57016

THE HEIGHTS OF 1,084 JUVENILE DELINQUENT MALES WERE MEASURED AND THEIR CHROMOSOMES CHECKED TO DETERMINE IF A RELATIONSHIP EXISTS BETWEEN THE 47,XYY KARYO-

TYPE, HEIGHT, AND ADMISSION TO INSTITUTIONS FOR JUVENILES.

- 151. FREQUENCIES OF INDIVIDUALS WITH EXCESS SEX-CHROMOSOMES AMONG MENTALLY RETARDED, MENTALLY ILL, DELINQUENT, AND CRIMINAL POPULATIONS.** By A. ASAKA. JAPANESE ASSOCIATION OF CRIMINOLOGY, TOKYO MEDICAL AND DENTAL UNIV, 1-CHOME, YUSHIMA, BUNKYO-KU, TOKYO 113, JAPAN. ACTA CRIMINOLOGIAE ET MEDICINAE LEGALIS JAPONICA, V 42, N 3 (JUNE 1978), P 77-96. NCJ-38012

REVIEW OF STUDIES CARRIED OUT IN JAPAN AND COMPARISON OF THE RESULTS WITH STUDIES PERFORMED IN OTHER COUNTRIES.

- 152. FROM PHRENOLOGY TO PSYCHOSURGERY AND BACK AGAIN BIOLOGICAL STUDIES OF CRIMINALITY.** By A. J. NASSI and S. I. ABRAMOWITZ. AMERICAN ORTHOPSYCHIATRIC ASSOCIATION, 1775 BROADWAY, NEW YORK NY 10019. AMERICAN JOURNAL OF ORTHOPSYCHIATRY, V 46, N 4, (OCTOBER 1976), P 591-607. NCJ-45919

A CRITICAL REVIEW OF BIOLOGICAL THEORY AND RESEARCH INTO BIOLOGICAL CORRELATES OF CRIMINALITY, BOTH PAST AND PRESENT, REVEALS A CONTINUITY OF METHODOLOGICAL FLAWS.

**Availability:** SACRAMENTO MEDICAL CENTER DEPARTMENT OF PSYCHIATRY C/O ALBERTA J NASSI, 2315 STOCKTON BOULEVARD, SACRAMENTO CA 95817.

- 153. FUNCTIONAL ANOMALIES IN E.E.G.'S (ELECTROENCEPHALOGRAM) OF A GROUP OF ZAIRIAN JUVENILE DELINQUENTS. (ANOMALIES FONCTIONNELLES DE L'E.E.G. CHEZ UN GROUPE DE DELINQUANTS JUVENILES ZAIRIOIS.)** By H. J. CLARYSSE. UNIVERSITE CATHOLIQUE DE LOUVAIN, DE CROYLAAN 54, 3030 HEVERLEE, LOUVAIN, BELGIUM. CAHIERS DE CRIMINOLOGIE ET DE PATHOLOGIE SOCIALE, V 1, N 7 (1974), P 75-88. (In French) NCJ-44127

RESULTS OF A STUDY ON ZAIRIAN MALE DELINQUENTS SHOWED THAT SIGNIFICANT LEVELS OF ABNORMAL RHYTHM WERE PRESENT IN THEIR E.E.G.'S, SUGGESTING THAT BRAIN DYSFUNCTION OR LACK OF MATURATION PLAYS A PART IN THEIR DELINQUENCY.

- 154. FUNCTIONAL ANOMALIES OF THE ELECTROENCEPHALOGRAM AMONG NORMAL, PSYCHONEUROTIC OR DELINQUENT ADOLESCENTS AN ATTEMPT AT DIFFERENTIAL CLASSIFICATION BY STATISTICAL ANALYSIS—FRANCE. (ANOMALIES FONCTIONNELLES DE L'ELECTROENCEPHALOGRAMME CHEZ LES ADOLESCENTS NORMAUX, CARACTERIELS OU DELINQUANTS ESSAI DE CLASSIFICATION DIFFERENTIELLE PAR ANALYSE STATISTIQUE.)** By G. VERDEAUX, Y. CHIROL, and J. SELOSSE. CENTRE DE FORMATION ET DE RECHERCHE DE L'EDUCATION SURVEILLEE, 54, RUE DE GARCHES, VAUCRESSON. ANNALES DE VAUCRESSON, N 2 (1964), P 133-190. (In French) NCJ-30285

REPORT ON A STUDY, USING THE ELECTROENCEPHALOGRAM, OF A GROUP OF 105 FRENCH, MALE JUVENILE DELINQUENTS AND A CONTROL GROUP OF 105 MALE STUDENTS AT AN OCCUPATIONAL SCHOOL.

- 155. GENETIC AND PSYCHOLOGICAL FACTORS IN ASOCIAL BEHAVIOR.** By S. A. MEDNICK and B. HUTCHINGS. YALE UNIVERSITY PRESS, 92A YALE STATION, NEW HAVEN CT 06520. JOURNAL OF THE AMERICAN ACADEMY OF CHILD PSYCHIATRY, V 17, N 2, SPECIAL ISSUE (SPRING 1978), P 209-223. NCJ-50340

TWIN AND ADOPTION INVESTIGATIONS ARE SUMMARIZED THAT SUGGEST THE POSSIBILITY OF HEREDITARY PREDISPOSITIONAL INFLUENCES ON THE PROBABILITY OF CRIMINAL BEHAVIOR.

- 156. GENETIC CORRELATES OF ANTISOCIAL SYNDROMES (FROM PSYCHOPATH—A COMPREHENSIVE STUDY OF**

**ANTISOCIAL DISORDERS AND BEHAVIORS, 1978, BY WILLIAM H. REID—SEE NCJ-57510.** By W. H. REID. BRUNNER/MAZEL, INC, 19 UNION SQUARE, NEW YORK NY 10003. 14 p. 1978. **NCJ-57516**

THE VARIOUS APPROACHES AND RESULTS OF STUDIES ON GENETIC CORRELATES OF ANTISOCIAL BEHAVIOR ARE DISCUSSED, WITH SPECIFIC ATTENTION TO TWIN, ADOPTION, SEX, AND CHROMOSOME RESEARCH.

**157. GENETIC-ENVIRONMENTAL INTERACTIONS AND ANTISOCIAL BEHAVIOUR (FROM PSYCHOPATHIC BEHAVIOUR—APPROACHES TO RESEARCH, 1978, BY R. D. HARE AND D. SCHALLING—SEE NCJ-57500).** By C. R. CLONINGER, T. REICH, and S. B. GUZE. JOHN WRIGHT AND SONS, LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND. 13 p. 1978. United Kingdom. **NCJ-57504**

A MULTIFACTORIAL MODEL OF DISEASE TRANSMISSION IS USED TO DETERMINE THE RELATIVE IMPORTANCE OF GENETIC AND FAMILIAL AND NONFAMILIAL ENVIRONMENTAL CONTRIBUTIONS TO THE DEVELOPMENT OF ANTISOCIAL BEHAVIOR.

**158. GENETICS AND CRIME.** By W. M. C. BROW. *JOURNAL OF THE ROYAL COLLEGE OF PHYSICIANS—LONDON*, V 1, N 3 (APRIL 1967), P 311—318. **NCJ-57495**

THIS PAPER REVIEWS FINDINGS OF STUDIES ON GENETIC FACTORS AND CRIME, INCLUDING THOSE ON XXY, XY/XXY, XXYX, AND XYY MALES.

**159. GENETICS AND CRIME—INTERNATIONAL SYMPOSIUM ON CRIMINOLOGY, 2D—PROCEEDINGS, 1975.** By G. KAISER. INTERNATIONAL CENTRE FOR BIOLOGICAL AND MEDICO-FORENSIC CRIMINOLOGY, P O BOX 22215, SAO PAULO, BRAZIL. 23 p. 1975. Brazil. **NCJ-36892**

THIS PAPER PROVIDES AN OVERVIEW OF THE STUDIES AND RESEARCH DONE ON THE RELATIONSHIP OF GENETIC FACTORS TO CRIME, FROM THE TURN OF THE CENTURY TO THE PRESENT.

**160. GENETICS, ENVIRONMENT AND PSYCHOPATHOLOGY.** S. A. MEDNICK, F. SCHULSINGER, J. HIGGINS, and B. BELL, Eds. NORTH-HOLLAND PUBLISHING COMPANY, JAN VAN GALENSTR 335, AMSTERDAM, NETHERLANDS. 360 p. 1974. Netherlands. **NCJ-47446**

THE REPORTS IN THIS ANTHOLOGY DEAL WITH EMPIRICAL STUDIES INTENDED TO ISOLATE GENETIC AND ENVIRONMENTAL FACTORS WHICH CONTRIBUTE TO MENTAL ILLNESS, PARTICULARLY SCHIZOPHRENIA.

**Supplemental Notes:** NORTH-HOLLAND RESEARCH SERIES ON EARLY DETECTION AND PREVENTION OF BEHAVIOUR DISORDERS, VOLUME 1.

**Availability:** ELSEVIER NORTH-HOLLAND, INC 52 VANDERBILT AVENUE, NEW YORK NY 10017.

**161. GENETICS OF HUMAN AGGRESSION.** By S. KESSLER, G. R. ELLIOT, and J. D. BARCHAS. US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTE OF MENTAL HEALTH, 5600 FISHERS LANE, ROCKVILLE, MD 20852. *PSYCHOPHARMACOLOGY BULLETIN*, V 13, N 1 (JANUARY 1977), P 20-21. **NCJ-58949**

THE POSSIBLE RELATIONSHIP BETWEEN GENETIC FACTORS AND HUMAN AGGRESSION ARE BRIEFLY DISCUSSED IN LIGHT OF THE FINDINGS OF TWINS RESEARCH, COMPARISONS INVOLVING ADOPTEES, AND XYY CHROMOSOME STUDIES.

**162. HANDBOOK OF CRIMINOLOGY.** D. GLASER, Ed. 1193 p. 1974. **NCJ-16486**

A COLLECTION OF READINGS DEALING WITH CRIMINOLOGICAL THEORY AND RESEARCH

**Availability:** RAND McNALLY AND COMPANY, BOX 7600, CHICAGO IL 60680.

**163. HEIGHT AND ANTISOCIAL BEHAVIOR IN XY AND XYY BOYS.** By E. B. HOOK and D. S. KIM. AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, 1575 MASSACHUSETTS AVENUE, NW, WASHINGTON DC 20005. *SCIENCE*, V 172, N 3980 (APRIL 1971), P 284-286. **NCJ-54289**

TEST PROJECT IN TWO INSTITUTIONS RULES OUT EXCESSIVE HEIGHT AS EXCLUSIVELY RESPONSIBLE FOR THE FREQUENCY OF DELINQUENCY AMONG XYY INDIVIDUALS.

**164. HEIGHT AND SERIOUSNESS OF CRIME IN XYY MEN.** By E. B. HOOK and K. M. HEALY. BRITISH MEDICAL ASSOCIATION, BMA HOUSE, TAVISTOCK SQUARE, LONDON WC1 H9JR, ENGLAND. *JOURNAL OF MEDICAL GENETICS*, V 14, N 1 (FEBRUARY 1977), P 10-12. **NCJ-56889**

THE CASE HISTORIES OF XYY OFFENDERS IN TWO ENGLISH SECURITY HOSPITALS WERE RANKED BY GRAVITY OF OFFENSE AND CORRELATED BY OFFENDER HEIGHT IN ORDER TO DETERMINE LINKS BETWEEN HEIGHT AND SERIOUSNESS OF CRIME.

**165. HEREDITY IN CRIMINALITY.** By D. ROSENTHAL. SAGE PUBLICATIONS, INC, 275 SOUTH BEVERLY DRIVE, BEVERLY HILLS CA 90212. *CRIMINAL JUSTICE AND BEHAVIOR*, V 2, N 1 (MARCH 1975), P 3-21. **NCJ-27204**

DISCUSSION OF FINDINGS FROM FAMILY STUDIES, TWIN STUDIES, AND ADOPTION STUDIES WHICH INDICATE THAT HEREDITY FACTORS ARE IMPLICATED IN CRIMINALITY AS WELL AS ENVIRONMENTAL FACTORS.

**166. HOMICIDES AND THE LUNAR CYCLE—TOWARD A THEORY OF LUNAR INFLUENCE ON HUMAN EMOTIONAL DISTURBANCE.** By A. L. LIEBER and C. R. SHERIN. AMERICAN PSYCHIATRIC ASSOCIATION, 1700 18TH STREET, NW, WASHINGTON DC 20009. *AMERICAN JOURNAL OF PSYCHIATRY*, V 12, N 1 (JULY 1972), P 101-106. **NCJ-26028**

DATA ON HOMICIDES WERE ANALYZED BY COMPUTER TO DETERMINE WHETHER A RELATIONSHIP EXISTS BETWEEN THE LUNAR SYNODIC CYCLE AND HUMAN EMOTIONAL DISTURBANCE.

**167. HORMONES AND AGGRESSION (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W. S. FIELDS AND W. H. SWEET—SEE NCJ-57520).** By C. W. LLOYD. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 42 p. 1975. **NCJ-57521**

THIS ARTICLE FROM THE SYMPOSIUM ON NEURAL BASES OF VIOLENCE AND AGGRESSION REVIEWS THE STATE OF KNOWLEDGE ON TESTOSTERONE SECRETION AND VIOLENCE IN MALE INFANTS, AND ANDROGEN INFLUENCES IN BRAIN FUNCTIONS.

**168. HUMAN AGGRESSION AND THE EXTRA Y CHROMOSOME—FACT OR FANTASY?** By L. F. JAVIK, V. KLODIN, and S. S. MATSUYAMA. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. *AMERICAN PSYCHOLOGIST*, V 28, N 8 (AUGUST 1973), P 674-682. **NCJ-56367**

AN OVERVIEW IS PROVIDED OF ARGUMENTS LINKING AGGRESSION AND AN EXTRA Y CHROMOSOME; THAT IS, THAT A CHROMOSOMAL ABERRATION IN SOME MENTALLY RETARDED MALE CRIMINALS IS RESPONSIBLE FOR THEIR VIOLENT BEHAVIOR CHARACTERISTICS.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT, 9000 ROCKVILLE PIKE, BETHESDA, MD 20014.

**169. HUMAN AGGRESSION AND THE LUNAR SYNODIC CYCLE.** By A. L. LIEBER. 7 p. 1978. **NCJ-49286**

DATA ON THE INCIDENCE OF AGGRAVATED ASSAULT, SUICIDE, TRAFFIC FATALITIES, AND PSYCHIATRIC EMERGENCY ROOM VISITS ARE EXAMINED IN A STUDY OF THE RELATIONSHIP BE-

TWEEN AGGRESSIVE/VIOLENT BEHAVIOR AND THE PHASES OF THE MOON.

**Supplemental Notes:** REPRINTED FROM JOURNAL OF CLINICAL PSYCHIATRY, V 39, N 5 (MAY 1978), P 385-387, 390-393.

**Availability:** ARNOLD L LIEBER, 1444 BISCAYNE BOULEVARD, SUITE 301, MIAMI FL 33132.

- 170. HYPERACTIVE CHILD SYNDROME—A PRECURSOR OF ADULT PSYCHOPATHY? (FROM PSYCHOPATHIC BEHAVIOUR—APPROACHES TO RESEARCH, 1978, BY R D HARE AND D SCHALLING—SEE NCJ-57500). By J. H. SATTERFIELD. JOHN WRIGHT AND SONS, LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND. 18 p. 1978. United Kingdom. NCJ-57500**

THIS ARTICLE PRESENTS RESULTS OF CLINICAL, FAMILY, AND ELECTROENCEPHALOGRAPHIC STUDIES OF HYPERACTIVE CHILDREN WHICH SUGGEST A RELATIONSHIP BETWEEN CHILDHOOD HYPERACTIVITY AND ADULT PSYCHOPATHY.

- 171. HYPERTENSION, BLOOD PRESSURE VARIABILITY, AND JUVENILE DELINQUENCY. By A. R. MAWSON. SOUTHERN MEDICAL ASSOCIATION, 2601 HIGHLAND AVENUE, BIRMINGHAM AL 35205. SOUTHERN MEDICAL JOURNAL, V 70, N 2 (FEBRUARY 1977), P 160-164. NCJ-54022**

THIS PAPER DISCUSSES THE POSSIBLE ROLES OF HYPERTENSION AND BLOOD PRESSURE VARIABILITY AS JUVENILE DELINQUENCY FACTORS. THESE PHYSIOLOGICAL FACTORS AND SOCIAL STRESS MIGHT MAKE JUVENILES MORE AGGRESSIVE.

**Availability:** A R MAWSON CITY COLLEGE LOYOLA UNIVERSITY, NEW ORLEANS LA 70118.

- 172. IMPLICATIONS OF SEX DIFFERENCES IN THE PREVALENCES OF ANTISOCIAL PERSONALITY, ALCOHOLISM, AND CRIMINALITY FOR FAMILIAL TRANSMISSION. By C. R. CONINGER, K. O. CHRISTIANSON, T. REICH, and I. I. GOTTESMAN. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. 11 p. 1978. NCJ-55499**

USING THREE MULTIFACTORIAL MODELS OF DISEASE TRANSMISSION IN WHICH THE PREVALENCE OF DISEASE DIFFERS BETWEEN MALE AND FEMALE OFFSPRING, THIS STUDY ANALYZES FAMILY DATA ON CRIMINAL AND ALCOHOLISM FOR MALE AND FEMALE TWINS.

**Supplemental Notes:** REPRINTED FROM ARCHIVES OF GENERAL PSYCHIATRY, V 35 (AUGUST 1978), P 841-851.

- 173. INCIDENCE OF CHROMOSOME ABERRATIONS AMONG MALES IN A DANISH YOUTH PRISON. By J. NIELSEN and F. HENRIKSEN. ACTA PSYCHIATRICA SCANDINAVICA, KR 348 MUNKSGAARD, NOERRE SOEGADE 35, DK-1370 COPENHAGEN, DENMARK. ACTA PSYCHIATRICA SCANDINAVICA, V 33, N 9 (SEPTEMBER 1972), P 87-102. NCJ-56480**

SAMPLE OF 151 MALES IN A YOUTH PRISON IN DENMARK WAS USED TO STUDY THE INCIDENCE OF CHROMOSOME ABERRATIONS AND THE POSSIBLE CONNECTION BETWEEN THE SIZE OF THE Y CHROMOSOME, CRIMINALITY, AND MENTAL DISORDERS.

- 174. INCIDENCE OF LEARNING DISABILITIES IN JUVENILE DELINQUENTS AND NONDELINQUENTS—IMPLICATIONS FOR ETIOLOGY AND TREATMENT. By A. BERMAN. 8 p. 1975. NCJ-46748**

THE HYPOTHESIS THAT EARLY UNDIAGNOSED LEARNING DISABILITIES ARE A SIGNIFICANT CAUSE OF DELINQUENT BEHAVIOR WAS TESTED AT A RHODE ISLAND TRAINING SCHOOL.

**Supplemental Notes:** PAPER PRESENTED AT THE INTERNATIONAL FEDERATION OF LEARNING DISABILITIES, SECOND INTERNATIONAL SCIENTIFIC CONFERENCE, BRUSSELS, BELGIUM, JANUARY 3-7, 1975.

**Availability:** ERIC DOCUMENT REPRODUCTION SERVICE, P O BOX 190, ARLINGTON VA 22210 Stock Order No. ED 112 620; NCJRS MICROFICHE PROGRAM.

- 175. INCIDENCE OF XYY AND XXY INDIVIDUALS IN A SECURITY HOSPITAL POPULATION. By L. E. DE BAULT, E. JOHNSTON, and P. LOEFFELHOLZ. PHYSICIAN POSTGRADUATE PRESS, BOX 38293, MEMPHIS TN 38138. DISEASES OF THE NERVOUS SYSTEM, V 33, N 9 (SEPTEMBER 1972), P 590-593. NCJ-56585**

INCIDENCE OF THE XYY AND XXY CHROMOSOMAL DEFECTS IN CONVICTED FELONS ADMITTED TO THE IOWA SECURITY FACILITY IS INVESTIGATED USING THE HYPOTHESIS THAT THE INCIDENCE WOULD BE GREATER THAN THAT FOR THE GENERAL POPULATION.

- 176. INFORMATION PROCESSING DEFECTS IN DELINQUENTS (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEN SEE NCJ-50444). By S. H. SLAVIN. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 28 p. 1978. NCJ-50440**

A SELECTED LITERATURE REVIEW IS PRESENTED FROM VARIOUS FIELDS. STUDIES WHICH EMPHASIZE THE IMPORTANCE OF SKILL DEFECTS ARE REVIEWED, AND THREE SUCCESSFUL REMEDIAL PROGRAMS ARE DESCRIBED.

- 177. INTELLIGENCE AND DELINQUENCY—A RECONSIDERATION. By N. M. PRENTICE and F. J. KELLY. JOURNAL PRESS, BOX 543, 2 COMMERCIAL STREET, PROVINCETOWN MA 02857. JOURNAL OF SOCIAL PSYCHOLOGY, V 60 (1963), P 327-337. NCJ-56545**

THE CONCLUSION OF A 1919 STUDY THAT NO DEFINITE RELATIONSHIP EXISTS BETWEEN CRIMINALITY AND LOW INTELLIGENCE IS REEXAMINED USING INTELLIGENCE QUOTIENT (IQ) SCORES OBTAINED FROM WECHSLER INTELLIGENCE SCALES.

**Sponsoring Agency:** MASSACHUSETTS DEPARTMENT OF YOUTH SERVICES, 284 WASHINGTON STREET, BOSTON MA 02108.

- 178. INTERVENTION WITH JUVENILE DELINQUENTS (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEN SEE NCJ-50444). By G. H. BACHARA and W. R. LAMB. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 19 p. 1978. NCJ-50458**

A COMPREHENSIVE MEDICAL-PSYCHIATRIC INTERVENTION PROGRAM DEVELOPED IN COOPERATION WITH A VIRGINIA JUVENILE COURT IS DESCRIBED. RESULTS FROM FOLLOWUP OF 112 JUVENILES IN THIS PROGRAM ARE PRESENTED.

- 179. IS MAN INNATELY AGGRESSIVE? (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W. S. FIELDS AND W. H. SWEET—SEE NCJ-57520). By A. MONTAGU. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 25 p. 1975. NCJ-57527**

THIS ARTICLE FROM THE SYMPOSIUM ON NEURAL BASES OF VIOLENCE AND AGGRESSION INDICATES THAT AGGRESSIVE BEHAVIOR IS A LEARNED RESPONSE TO ENVIRONMENT, REGARDLESS OF INDIVIDUAL PREDISPOSITIONS.

- 180. IS THERE A HEREDITARY CRIMINALITY? (GIBTES KRIMINELLE ERBANLAGEN?) By U. FUELLGRABE. KRIMINALISTIK VERLAG GIMB, AKADEMIESTRASS 8, POSTFACH 10 26 40, 6900 HEIDELBURG 1, GERMANY. KRIMINALISTIK, V 32, N 7 (JULY 1978), P 294-300. (In German) NCJ-58427**

ARGUING THAT ENVIRONMENT HAS AT LEAST AS MUCH, IF NOT MORE, INFLUENCE ON CHILD DEVELOPMENT AS HEREDITY, THIS GERMAN-LANGUAGE ARTICLE REVIEWS STUDIES DISPROVING THE THEORY THAT CRIMINAL TRAITS ARE INHERITABLE.

- 181. JUVENILE DELINQUENCY (IN GIRLS). By OBOMASUNDARAM and M. POLNAYA. INDIAN SOCIETY OF CRIMINOLOGY UNIVERSITY OF MADRAS, MADRAS 600005.**

INDIA. *INDIAN JOURNAL OF CRIMINOLOGY*, V 7, N 1 (JANUARY 1979), P 48-58. NCJ-56938

THE ROLE OF MILD MENTAL RETARDATION IN THE ETIOLOGY OF DELINQUENCY AMONG 60 FEMALE JUVENILES HOUSED IN A CORRECTIONAL FACILITY IN MADRAS, INDIA, IS EXAMINED.

182. KINDS OF AGGRESSION AND THEIR PHYSIOLOGICAL BASIS. By K. E. MOYER. ACADEMIC PRESS, INC, 111 FIFTH AVENUE, NEW YORK NY 10003. *COMMUNICATIONS IN BEHAVIORAL BIOLOGY*, V 2, N 2, PART A (AUGUST 1968), P 65-87. NCJ-55082

THE PHYSIOLOGICAL BASES OF AGGRESSIVE BEHAVIOR ARE IDENTIFIED FROM A REVIEW OF TWO DECADES OF RESEARCH STUDIES AND IT IS ARGUED THAT AGGRESSION IS NOT A UNITARY PHENOMENON.

Sponsoring Agency: NATIONAL SCIENCE FOUNDATION, 1800 G STREET, NW, WASHINGTON DC 20550.

183. KLINEFELTER'S SYNDROME AND DELINQUENCY. By H. HUNTER. STEVENS AND SONS, 11 NEW FETTER LANE, LONDON, ENGLAND; INSTITUTE FOR THE STUDY AND TREATMENT OF DELINQUENCY, 34 SURREY STREET, CROYDEN, SURREY CRO 1RJ UK. *BRITISH JOURNAL OF CRIMINOLOGY*, V 8, N 2 (APRIL 1968), P 203-207. NCJ-57127

CASE HISTORIES OF 17 MALE RESIDENTS OF HOSPITALS FOR THE MENTALLY ABNORMAL DIAGNOSED AS HAVING KLINEFELTER'S SYNDROME WERE COMPARED WITH THOSE OF CONTROLS TO EXAMINE LINKS BETWEEN ANTISOCIAL BEHAVIOR AND THE SYNDROME.

184. LACK OF ASSOCIATION BETWEEN DEFECTIVE DELINQUENTS AND ANTIBODY OF HERPESVIRUS HOMINIS. By D. A. FUCILLO, J. E. KURENT, S. H. MANNE, D. ROSENTHAL, E. BEADLE, and J. L. SEVER. LANCET PUBLICATIONS, INC, 4015 WEST 65TH STREET, MINNEAPOLIS MN 55435. *NEUROLOGY*, V 27, N 3 (MARCH 1977), P 304-305. NCJ-57105

TO INVESTIGATE A POSSIBLE ASSOCIATION BETWEEN HERPESVIRUS HOMINIS INFECTION AND AGGRESSION, RESEARCHERS DETERMINED HERPESVIRUS ANTIBODY LEVELS IN 57 RESIDENTS OF THE PATUXENT, MD., INSTITUTION FOR DEFECTIVE DELINQUENTS.

185. LEARNING DISABILITIES AND DELINQUENT YOUTH (FROM YOUTH IN TROUBLE—A SYMPOSIUM, MAY 2-3, 1974 BY BETTY LOU KRATOVILLE—SEE NCJ-35902). By A. J. MAUERS. ACADEMIC THERAPY PUBLICATIONS, 1539 FOURTH STREET, SAN RAFAEL CA 94901. 12 p. 1974. NCJ-35905

AFTER EXAMINING THE CHARACTERISTICS OF TODAY'S JUVENILE DELINQUENTS, THE AUTHOR REVIEWS CURRENT THOUGHTS ON THE RELATIONSHIP OF DELINQUENCY AND LEARNING DISABILITIES AND DISCUSSES TREATMENT OF LEARNING DISABLED DELINQUENTS.

186. LEARNING DISABILITIES AND JUVENILE DELINQUENCY. By K. V. UNGER. NATIONAL COUNCIL OF JUVENILE AND FAMILY COURT JUDGES, BOX 8978, UNIVERSITY OF NEVADA, RENO NV 89507. *JOURNAL OF JUVENILE AND FAMILY COURTS*, V 29, N1 (FEBRUARY 1978), P 25-30. NCJ-45082

JUVENILE DELINQUENT BEHAVIOR IS DISCUSSED AS A SYMPTOM OF THE ORGANIC BRAIN DISORDER KNOWN AS LEARNING DISABILITIES.

187. LEARNING DISABILITIES AND JUVENILE DELINQUENCY. By G. H. BACHARA and J. N. ZABA. PROFESSIONAL PRESS INC, 101 EAST ONTARIO STREET, CHICAGO IL 60611. 5 p. 1978. NCJ-50338

THIS STUDY OF LEARNING DISABLED JUVENILE OFFENDERS FOUND THAT THOSE WHO RECEIVED SPECIAL EDUCATION OR

APPROPRIATE REMEDIAL TRAINING HAD SIGNIFICANTLY LOWER RECIDIVISM THAN THOSE WHO DID NOT.

Supplemental Notes: REPRINTED FROM JOURNAL OF LEARNING DISABILITIES, V 11, N 4 (APRIL 1978).

188. LEARNING DISABILITIES AND JUVENILE DELINQUENCY. By P. W. ZINKUS and M. I. GOTTLIEB. J B LIPPINCOTT, EAST WASHINGTON SQUARE, PHILADELPHIA PA 19103. *CLINICAL PEDIATRICS*, V 17, N 10 (OCTOBER 1978), P 775-780. NCJ-56546

THIS STUDY EXAMINES THE INCIDENCE, CHARACTERISTICS, AND SIGNIFICANCE OF LEARNING DISABILITIES IN A SAMPLE OF 44 MALE DELINQUENTS, AGED 13-18, WHO HAD BEEN REFERRED TO RESIDENTIAL HOMES BY A JUVENILE COURT.

189. LEARNING DISABILITIES IN JUVENILE DELINQUENTS. By A. BERMAN. 12 p. 1973. NCJ-56681

THE RELATIONSHIP BETWEEN NEUROPATHOLOGICALLY BASED LEARNING DISABILITIES AND JUVENILE DELINQUENCY IS EXAMINED, WITH REFERENCE TO A RHODE ISLAND STUDY OF 45 DELINQUENT MALES.

Supplemental Notes: PRESENTED TO THE 7TH ANNUAL SPRING CONFERENCE OF THE MASSACHUSETTS ASSOCIATION FOR CHILDREN WITH LEARNING DISABILITIES, BOSTON (MA), MARCH 9, 1973.

Availability: MASSACHUSETTS ASSOCIATION FOR CHILDREN WITH LEARNING DISABILITIES, 11 RIVER STREET, WELLESLEY MA 02181.

190. LEARNING DISABILITY AS A PREDISPOSING CAUSE OF CRIMINALITY. By R. UNDERWOOD. CANADA DEPARTMENT OF NATIONAL HEALTH AND WELFARE, HEALTH PROGRAMS BRANCH, OTTOWA, OTTOWA KIA 1B4, CANADA KIA 134. *CANADA'S MENTAL HEALTH*, V 24, N 4 (DECEMBER 1976), P 11-18. NCJ-56558

THIS PAPER EXAMINES SOME OF THE DISORDERED INTERPERSONAL RELATIONSHIPS, PECULIAR TO CHILDREN WITH LEARNING DISABILITIES AS DESCRIBED IN PUBLISHED RESEARCH.

191. LEARNING DISABILITY—DEFINITIONS AND PROCEDURES. By CAMPBELL. 20 p. 1978. NCJ-47079

A STUDY OF ADJUDICATED DELINQUENT AND NONDELINQUENT BOYS, 12 TO 15 YEARS OLD, WAS UNDERTAKEN TO DETERMINE WHETHER THERE IS A LINK BETWEEN LEARNING DISABILITIES AND DELINQUENCY.

Supplemental Notes: PRESENTED AT THE 1978 ANNUAL CONFERENCE ON LEARNING DISABILITY, KANSAS CITY, MISSOURI.

Sponsoring Agency: NATIONAL INSTITUTE FOR JUVENILE JUSTICE AND DELINQUENCY PREVENTION, WASHINGTON DC 20531.

Availability: NCJRS MICROFICHE PROGRAM.

192. LEARNING HANDICAP—THE UNDERDIAGNOSED DISABILITY. By J. W. PODBOY and W. A. MALLORY. NATIONAL COUNCIL OF JUVENILE AND FAMILY COURT JUDGES, BOX 8978, UNIVERSITY OF NEVADA, RENO NV 89507. *JUVENILE AND FAMILY COURT JOURNAL*, V 28, N 4 (NOVEMBER 1978), P 13-18. NCJ-54233

A SAMPLE OF 183 MALE AND 67 FEMALE JUVENILES DETAINED AT A DETENTION FACILITY BETWEEN AUGUST 1976 AND MAY 1977 WERE STUDIED TO DETERMINE THE INCIDENCE OF LEARNING DISABILITIES AMONG JUVENILE DELINQUENTS.

193. LENGTH OF THE Y CHROMOSOME IN CRIMINAL MALES. By J. NIELSEN and U. FRIEDRICH. MUNKSGAARD, NOERRE SOEGADE 35, DK-1370 COPENHAGEN K, DENMARK. *CLINICAL GENETICS*, V 3, N 4 (MARCH 1972), P 281-285. NCJ-56560

MEASUREMENTS OF Y AND F CHROMOSOMES IN 3 SAMPLES OF CRIMINAL MALES (407 MEN) AND IN 104 NEWBORN BOYS (CONSTITUTING A 10 PERCENT RANDOM SAMPLE OF 1,400) WERE COMPARED IN THIS DANISH STUDY.



194. **LENGTH OF THE Y-CHROMOSOMES IN MEN EXAMINED BY FORENSIC PSYCHIATRISTS.** By H. O. AKESSON and J. WAHLSTROM. SPRINGER-VERLAG, 175 FIFTH AVENUE, NEW YORK NY 10010. *HUMAN GENETICS*, V 38, N 1 (1977), P 1-5. NCJ-57185

THIS ARTICLE REPORTS AN INVESTIGATION ON THE RELATIVE LENGTH OF Y-CHROMOSOMES IN MALE PSYCHIATRIC PATIENTS AND HEALTHY CONTROL SUBJECTS, INDICATING NO POSITIVE ASSOCIATION BETWEEN CHROMOSOME LENGTH AND CRIMINALITY.

195. **LINK BETWEEN LEARNING DISABILITIES AND JUVENILE DELINQUENCY—CURRENT THEORY AND KNOWLEDGE.** By C. A. MURRAY. AMERICAN INSTITUTES FOR RESEARCH. 196 p. 1976. NCJ-36835

THIS REPORT WAS DESIGNED TO ASSIST THE OFFICE OF JUVENILE JUSTICE AND DELINQUENCY PREVENTION IN DETERMINING WHAT, IF ANYTHING, SHOULD BE DONE ABOUT LEARNING DISABILITIES AS A MEANS OF REDUCING OR PREVENTING DELINQUENCY.

Sponsoring Agency: NATIONAL INSTITUTE FOR JUVENILE JUSTICE AND DELINQUENCY PREVENTION, WASHINGTON DC 20531.

Availability: GPO Stock Order No. 027-000-00479-2; NCJRS MICROFICHE PROGRAM.

196. **LINK BETWEEN LEARNING DISABILITIES AND JUVENILE DELINQUENCY—CURRENT THEORY AND KNOWLEDGE—EXECUTIVE SUMMARY.** By C. A. MURRAY. AMERICAN INSTITUTES FOR RESEARCH. 27 p. 1976. NCJ-36836

SYNOPSIS OF A REPORT DESIGNED TO ASSIST THE JUVENILE JUSTICE AND DELINQUENCY PREVENTION IN DECIDING WHAT, IF ANYTHING, SHOULD BE DONE ABOUT LEARNING DISABILITIES AS A MEANS OF REDUCING OR PREVENTING JUVENILE DELINQUENCY.

Sponsoring Agency: NATIONAL INSTITUTE FOR JUVENILE JUSTICE AND DELINQUENCY PREVENTION, WASHINGTON DC 20531.

Availability: GPO Stock Order No. 027-000-00555-1; NCJRS MICROFICHE PROGRAM.

197. **LONGER Y CHROMOSOME IN CRIMINALS.** By D. SOUDEK and P. LARAYA. MUNKSGAARD, NOERRE SOEGADE 35, DK-1370 COPENHAGEN K, DENMARK. *CLINICAL GENETICS*, V 6, N 3 (1974), P 225-229. NCJ-57187

THIS ARTICLE REPORTS FINDINGS OF A COMPARATIVE SURVEY OF 84 NONPSYCHOTIC MALE CRIMINALS AND 38 CONTROL SUBJECTS INDICATING SIGNIFICANTLY LONGER Y-CHROMOSOMES IN THE CRIMINALS THAN IN THE CONTROLS.

198. **MEDICAL ASPECTS OF DELINQUENCY.** By P. D. SCOTT. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, SPECIAL PUBLICATION N 9 (1975), P 287-295. NCJ-57497

RESEARCH ON THE MEDICAL ASPECTS OF DELINQUENCY COVERING PHYSICAL AND MENTAL HEALTH AS WELL AS PRENATAL AND GENETIC FACTORS IN BEHAVIOR ACKNOWLEDGES THAT THE EVIDENCE OF ASSOCIATION IS SCANTY.

199. **MEDICAL HISTORIES OF DELINQUENT AND NONDELINQUENT CHILDREN—AN EPIDEMIOLOGICAL STUDY.** By D. O. LEWIS and S. S. SHANOK. AMERICAN PSYCHIATRIC ASSOCIATION, 1700 16TH STREET, NW, WASHINGTON DC 20009. *AMERICAN JOURNAL OF PSYCHIATRY*, V 134, N 9 (SEPTEMBER 1977), P 1020-1025. NCJ-57084

DIFFERENCES IN THE MEDICAL BACKGROUNDS OF 109 DELINQUENT AND 109 NONDELINQUENT CHILDREN IN NEW HAVEN, CONN., ARE EXPLORED.

Sponsoring Agency: FORD FOUNDATION, 320 EAST 43RD STREET, NEW YORK NY 10017.

200. **MEDICAL MODEL IN CRIMINOLOGY (FROM HUMAN AGGRESSION AND DANGEROUSNESS, 1978, BY D LABERGE-ALTMER—SEE NCJ-57484).** By R. R. MONROE. INSTITUT PHILIPPE PINEL DE MONTREAL, 12, 333 BOULEVARD, MONTREAL, QUEBEC 478, CANADA. 22 p. 1978. Canada. NCJ-57487

A SAMPLE OF 93 RECIDIVIST AGGRESSORS INCARCERATED AT MARYLAND'S PATUXENT INSTITUTION WERE RANDOMLY SELECTED TO EVALUATE A MEDICAL MODEL OF PSYCHOPATHY AND EPISODIC DYSCONTROL.

Supplemental Notes: ALSO FOUND IN THE PSYCHOPATH—A COMPREHENSIVE STUDY OF SOCIOPATHIC DISORDERS AND BEHAVIORS, BY W H REID.

201. **MEDICINE AND CRIME.** By T. C. N. GIBBENS. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, SPECIAL PUBLICATION N 9 (1975), P 296-301. NCJ-57496

THIS ARTICLE DISCUSSES THE TREATMENT OF PERSONALITY DISORDERS INVOLVING CRIMINAL BEHAVIOR, AND ADVOCATES INTERMEDIATE PENALTIES FOR OFFENDERS THAT WILL PROVIDE SUPERVISION AND NORMAL SOCIAL ENVIRONMENT.

202. **MENTAL ILLNESS AND PATTERNS OF BEHAVIOR IN 10 XYY MALES.** By R. F. DALY. WILLIAMS AND WILKINS COMPANY, 428 EAST PRESTON STREET, BALTIMORE MD 21202. *JOURNAL OF NERVOUS AND MENTAL DISEASE*, V 149, N 4 (OCTOBER 1969), P 318-327. NCJ-57142

AMONG MEN 6 FEET OR TALLER CONFINED TO MAXIMUM SECURITY HOSPITALS, 10 XYY MALES WERE IDENTIFIED BY CHROMOSOME ANALYSIS OF CULTURED LYMPHOCYTES, SUMMARIES ARE PROVIDED OF THEIR CASE HISTORIES OBTAINED FROM HOSPITAL RECORDS.

203. **MENTALLY DISORDERED VIOLENT OFFENDERS.** By H. HAEFNER and W. BOEKER. SPRINGER-VERLAG, 175 FIFTH AVENUE, NEW YORK NY 10010. *SOCIAL PSYCHIATRY*, V 8, N 4 (NOVEMBER 1973), P 220-228. NCJ-57140

A DESCRIPTIVE EPIDEMIOLOGICAL STUDY IS CONDUCTED TO DETERMINE THE AMOUNT OF VIOLENT CRIME COMMITTED BY MENTALLY ILL OFFENDERS AS OPPOSED TO THE AMOUNT OF CRIME COMMITTED BY OFFENDERS WHO ARE NOT MENTALLY ILL.

204. **MINIMAL BRAIN DYSFUNCTION IN CHILDREN—TERMINOLOGY AND IDENTIFICATION—PH.** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE, 5600 FISHERS LANE, ROCKVILLE MD 20852. 24 p. 1968. NCJ-54558

THIS FIRST REPORT IN A SERIES OF DYSFUNCTIONS ALTERING THE BEHAVIOR AND INTELLECTUAL PERFORMANCE OF CHILDREN DISCUSSES MINIMAL BRAIN DYSFUNCTION, ITS IDENTIFYING FACTORS, AND ITS TERMINOLOGY.

Supplemental Notes: PHASE ONE OF A THREE-PHASE PROJECT—NINDB MONOGRAPH N 3.

Sponsoring Agencies: US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE, 5600 FISHERS LANE, ROCKVILLE MD 20852; NATIONAL EASTER SEAL SOCIETY FOR CRIPPLED CHILDREN AND ADULTS, 2023 W OGDEN AVENUE, CHICAGO IL 60612.

205. **MMPI (MINNESOTA MULTIPHASIC PERSONALITY INVENTORY) PROFILES OF MALES WITH ABNORMAL SEX CHROMOSOME COMPLEMENTS.** By M. ROSEN, M. BERGMAN, and M. A. TELFER. NATIONAL SOCIETY FOR MENTALLY HANDICAPPED CHILDREN, PEMBRIDGE HALL, 17 PEMBRIDGE SQUARE, LONDON W2 4EP, ENGLAND. *JOURNAL OF MENTAL DEFICIENCY RESEARCH*, V 15, N 3 (SEPTEMBER 1971), P 169-176. NCJ-56297

IN ORDER TO EVALUATE THE PERSONALITY OF XYY AND XXY MALES THIS STUDY APPLIES THE MINNESOTA MULTIPHASIC PERSONALITY INVENTORY (MMPI) TO A SAMPLE OF 9 KLINEFELTER (47 XYY) AND 7 XYY MALES.

206. **NEED FOR A NEW APPROACH TO THE DELINQUENT-CRIMINAL PROBLEM (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEN—SEE NCJ-50444).** By L. J. HIPPCHEN. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 17 p. 1978. NCJ-50445

TRADITIONAL APPROACHES TO THE STUDY OF CAUSATIVE FACTORS OF JUVENILE DELINQUENCY AND CRIME HAVE BEEN TOO LIMITED. BIOCHEMICAL APPROACHES MAY MAKE IMPORTANT CONTRIBUTIONS TO THE FIELD OF CRIMINOLOGY.

207. **NEURAL BASES OF VIOLENCE AND AGGRESSION.** W. S. FIELDS and W. H. SWEET, Eds. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 551 p. 1975. NCJ-57520

THIS COMPILATION REPORTS THE MEDICAL FINDINGS AND PHILOSOPHICAL ESSAYS PRESENTED AT THE 1972 HOUSTON NEUROLOGICAL SYMPOSIUM ON NEURAL BASES OF VIOLENCE AND AGGRESSION.

Availability: WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105.

208. **NEUROALLERGY AS A CONTRIBUTING FACTOR TO SOCIAL MISFITS DIAGNOSIS AND TREATMENT (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1978, BY LEONARD J HIPPCHEN—SEE NCJ-50444).** By R. C. WUNDERLICH. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 25 p. 1978. NCJ-50454

THIS PAPER DESCRIBES THE ROLE OF NEUROALLERGY AS A CONTRIBUTING FACTOR TO LEARNING AND PERCEPTUAL PROBLEMS, SCHOOL FAILURE, AND DELINQUENCY. DIAGNOSIS AND TREATMENT APPROACHES ARE OUTLINED.

209. **NEUROENDOCRINE CORRELATES OF SEXUAL AND AGGRESSIVE BEHAVIOR IN HUMANS.** By R. M. ROSE. RAVEN PRESS, INC, 1140 AVENUE OF THE AMERICAS, NEW YORK NY 10036. *PSYCHOPHARMACOLOGY*, (1978), P 541-552. NCJ-54019

THIS REVIEW OF RESEARCH FROM 1968-1978 DISCUSSES NEUROENDOCRINE CORRELATES OF BEHAVIOR INCLUDING GONADAL HORMONES AND MALE AND FEMALE SEXUAL BEHAVIOR AND TESTOSTERONE AND AGGRESSIVE BEHAVIOR IN MALES.

210. **NEUROLEPTICS—VIOLENCE AS A MANIFESTATION OF AKATHISIA.** By W. A. KECKICH. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *JOURNAL OF THE AMERICAN Medical Association*, V 240, N 20 (NOVEMBER 10, 1978), P 2185. NCJ-57213

A CLINICAL NOTE IS PROVIDED ON A CASE OF A MALE, 29-YEAR-OLD SOCIOPATH WHOSE TREATMENT WITH TWO ANTI-DEPRESSANT DRUGS—IMIPRAMINE AND HALOPERIDOL—LED TO AKATHISIA AND PRECIPITATED A VIOLENT ACT.

211. **NEUROLOGIC FINDINGS IN RECIDIVIST AGGRESSORS (FROM PSYCHOPATHOLOGY AND BRAIN DYSFUNCTION, 1977, BY RUSSELL R MONROE ET AL).** By R. R. MONROE, B. HULFISH, G. BALIS, J. LION, J. RUBIN, M. McDONALD, and J. D. BARCIK. RAVEN PRESS, INC, 1140 AVENUE OF THE AMERICAS, NEW YORK NY 10036. 13 p. 1977. NCJ-57168

HISTORICAL DATA ON THE CENTRAL NERVOUS SYSTEMS OF 94 RESIDENTS OF PATUXENT INSTITUTION, MD., FOR DEFECTIVE DELINQUENTS WERE ANALYZED USING A NEUROLOGIC SCALE TO IDENTIFY FACTORS ASSOCIATED WITH AGGRESSIVE RECIDIVISM.

212. **NEUROLOGICAL FACTORS IN VIOLENT BEHAVIOR (THE DYSCONTROL SYNDROME) (FROM VIOLENCE AND RESPONSIBILITY, 1978, BY ROBERT L SADOFF—SEE NCJ-53974).** By F. A. ELLIOTT. SPECTRUM PUBLICATIONS, INC, 75-31 192ND STREET, FLUSHING NY 11366. 28 p. 1978. NCJ-53977

USING 70 CASE STUDIES OF PERSONS TREATED FOR NEUROLOGICAL DISEASE, A DOCTOR PRESENTS AN ARGUMENT LINKING VIOLENT BEHAVIOR TO THE DYSCONTROL SYNDROME, AN ORGANIC DISEASE WHICH MANIFESTS ITSELF IN EXPLOSIVE, UNCONTROLLABLE RAGE.

213. **NEUROPSYCHIATRIC CORRELATIONS WITH ANTISOCIAL BEHAVIOR.** By R. R. MONROE, G. U. BALIS, J. RUBIN, J. R. LION, B. HULFISH, M. McDONALD, and D. BARCIK. INTERNATIONAL CENTRE FOR BIOLOGICAL AND MEDICO-FORENSIC CRIMINOLOGY, P O BOX 22215, SAO PAULO, BRAZIL. 22 p. 1975. NCJ-59871

DESCRIPTION OF A STUDY OF THE ETIOLOGY AND PREVALENCE OF THE NEUROPSYCHIATRIC SYNDROME 'EPISODIC BEHAVIORAL DISORDERS' AMONG A CRIMINAL POPULATION.

Supplemental Notes: PROCEEDINGS OF THE INTERNATIONAL SYMPOSIUM ON CRIMINOLOGY—BIOLOGICAL MODEL, PART 1.

214. **NEUROPSYCHOLOGICAL CORRELATES OF CRIMINAL PSYCHOPATHY, PART 2—DISCRIMINATION AND PREDICTION OF DANGEROUS AND RECIDIVISTIC OFFENDERS (FROM HUMAN AGGRESSION AND DANGEROUSNESS—SEE NCJ-57484).** By L. T. YEUDALL. INSTITUT PHILIPPE PINEL DE MONTREAL, 12, 333 BOULEVARD, MONTREAL, QUEBEC 478, CANADA. 24 p. 1978. Canada. NCJ-57489

A DISCUSSION IS PROVIDED OF THE UTILITY OF SELECTED NEUROPSYCHOLOGICAL TESTS AND ASSESSMENTS IN PREDICTING OFFENDER RECIDIVISM AND DANGEROUSNESS AND IN IDENTIFYING SUBGROUPS WITHIN FORENSIC POPULATIONS.

215. **NEUROPSYCHOLOGICAL CORRELATES OF CRIMINAL PSYCHOPATHY, PART 1—DIFFERENTIAL DIAGNOSIS (FROM HUMAN AGGRESSION AND DANGEROUSNESS, 1978, BY D LABERGE-ALTMER—SEE NCJ-57484).** By L. T. YEUDALL. INSTITUT PHILIPPE PINEL DE MONTREAL, 12, 333 BOULEVARD, MONTREAL, QUEBEC 478, CANADA. 51 p. 1978. Canada. NCJ-57488

THE ROLE OF BRAIN DYSFUNCTION IN HABITUAL CRIMINAL PSYCHOPATHY IS EXAMINED IN TERMS OF NEUROPSYCHOLOGICAL ASSESSMENT TECHNIQUES WHICH MANY RESEARCHERS HAVE SUGGESTED FOR USE IN STUDIES OF ANTISOCIAL BEHAVIOR.

216. **NEUROPSYCHOLOGICAL DISCRIMINATION BETWEEN VIOLENT AND NONVIOLENT MEN.** By F. SPELLACY. CLINICAL PSYCHOLOGY PUBLISHING COMPANY, 4 CONANT SQUARE, BRANDON VT 05733. *JOURNAL OF CLINICAL PSYCHOLOGY*, V 34, N 1 (JANUARY 1978), P 49-52. NCJ-55726

EIGHTY MALE VOLUNTEERS DRAWN FROM A PENITENTIARY SAMPLE WERE USED TO EXAMINE THE ABILITY OF NEUROPSYCHOLOGICAL TESTS AND THE MINNESOTA MULTIPHASIC PERSONALITY INVENTORY TO DIFFERENTIATE BETWEEN VIOLENT AND NONVIOLENT SUBJECTS.

Sponsoring Agency: CANADA MINISTRY OF NATIONAL HEALTH AND WELFARE, OTTAWA, CANADA.

217. **NEUROPSYCHOLOGICAL FUNCTION OF NORMAL BOYS, DELINQUENT BOYS, AND BOYS WITH LEARNING PROBLEMS.** By I. HURWITZ, R. M. A. BIBACE, P. H. WOLF, and B. M. ROWBOTHAM. PERCEPTUAL AND MOTOR SKILLS, BOX 1441, MISSOULA MT 59801. *PERCEPTUAL AND MOTOR SKILLS*, V 35, (1977), P 387-394. NCJ-56593

TWO STUDIES COMPARING THE SENSORIMOTOR FUNCTIONS AND COGNITIVE STYLES OF NORMAL BOYS, JUVENILE DELINQUENTS, AND BOYS WITH LEARNING PROBLEMS ARE PRESENTED.

Sponsoring Agency: US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE, 5600 FISHERS LANE, ROCKVILLE MD 20852.

218. **NEW CLUES TO THE CAUSES OF VIOLENCE.** By G. BYLINSKY. TIME, INC, TIME AND LIFE BUILDING, ROCKE-



FELLER CENTER, NEW YORK NY 10020. *FORTUNE*, V 87, N 1 (JANUARY 1973), P 134-146. NCJ-07918

EXPERIMENTAL RESEARCH ON AGGRESSIVE BEHAVIOR, INCLUDING A DESCRIPTION OF THE INNER STRUCTURES OF THE BRAIN THAT INITIATE AND CONTROL VIOLENCE.

219. **NORWEGIAN TWIN STUDY OF CRIMINALITY.** By O. S. DALGARD and E. KRINGLEN. INSTITUTE FOR THE STUDY AND TREATMENT OF DELINQUENCY, 11 NEW FETTER LANE, LONDON EC4 P4EE, ENGLAND. *BRITISH JOURNAL OF CRIMINOLOGY*, V 16, N 3 (JULY 1976), P 213-232. NCJ-36243

THE AIM OF THIS STUDY WAS TO ARRIVE AT REPRESENTATIVE CONCORDANCE FIGURES FOR IDENTICAL AND FRATERNAL TWINS WITH REGARD TO CRIMINALITY TO MEASURE THE RELATIVE EFFECT OF HEREDITY AND ENVIRONMENT ON ANTI-SOCIAL BEHAVIOR.

220. **NOSLOGY OF VIOLENCE (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W F FIELDS AND W A SWEET—SEE NCJ-57520).** By T. DETRE, D. J. KUPFER, and S. TAUB. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 24 p. 1975. NCJ-57524

THIS ARTICLE FROM A SYMPOSIUM ON NEURAL BASES OF VIOLENCE DESCRIBES TRAITS THAT DIFFERENTIATE VIOLENT PERSONS FROM NONVIOLENT PERSONS WITH OTHER BEHAVIOR PROBLEMS, A DESCRIPTION BASED ON RECORDS OF 800 PSYCHIATRIC PATIENTS.

221. **ORGANIC DIMENSION OF CRIME.** By J. G. SMALL. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF GENERAL PSYCHIATRY*, V 15, N 1 (JULY 1968), P 82-89. NCJ-55823

THIS STUDY EXAMINES RELATIONSHIPS BETWEEN CLINICAL ATTRIBUTES—CENTRAL NERVOUS SYSTEM (CNS) DISORDERS AND ELECTROENCEPHALOGRAPH (EEG) ABNORMALITIES—IN 100 FELONS AND ASPECTS OF CRIMINAL AND ANTISOCIAL BEHAVIOR.

222. **ORTHOMOLECULAR APPROACH TO THE THEORY AND TREATMENT OF DRUG AND ALCOHOL ABUSE (CRIME, MALNUTRITION AND THE ORTHOMOLECULAR APPROACH CONFERENCE).** By G. PRASTKA. 1976. NCJ-40035

AUDIO-CASSETTE PRESENTATION COVERS SCOPE OF PRESENT PHILOSOPHY ON ALCOHOL AND DRUG ABUSE AND THE RADICAL ORTHOMOLECULAR APPROACH TO THESE PROBLEMS.

Supplemental Notes: 45 MINUTES, 1976.

Availability: HUXLEY INSTITUTE FOR BIO-SOCIAL RESEARCH, 1114 FIRST AVENUE, NEW YORK NY 10021 (Audio Cassette)

223. **ORTHOMOLECULAR PSYCHIATRY AND CRIME (CRIME, MALNUTRITION AND THE ORTHOMOLECULAR APPROACH CONFERENCE).** By A. HOFFER. 1976. NCJ-40034

AUDIO CASSETTE PRESENTATION CONTENTS THAT CRIMINAL BEHAVIOR CAN, IN MANY INSTANCES, BE TRACED TO DIET AND NUTRITION.

Supplemental Notes: 78 MINUTES, 1976.

Availability: HUXLEY INSTITUTE FOR BIO-SOCIAL RESEARCH, 1114 FIRST AVENUE, NEW YORK NY 10021 (Audio Cassette)

224. **ORTHOMOLECULAR TREATMENT OF CRIMINAL OFFENDERS.** By A. G. SCHAUSS. 40 p. 1976. NCJ-54018

THIS MONOGRAPH EXAMINES THE ORTHOMOLECULAR APPROACH TO OFFENDER TREATMENT, WITH EMPHASIS ON ASSESSING AND TREATING THE ENVIRONMENTAL AND DIETARY FACTORS THOUGHT TO UNDERLIE CRIMINAL BEHAVIOR.

225. **PERSONALITY AND LIFE HISTORY OF FEMALE OFFENDERS AND THEIR SIBS—A TAXONOMIC AND GENETIC ANALYSIS.** By B. CHESTER. 288 p. 1976. NCJ-56950

A CLINICAL AND PSYCHOMETRIC APPROACH IS TAKEN TO CLARIFYING THE CONCEPT OF CRIMINALITY IN FEMALE OFFENDERS AS OPPOSED TO CRIMINALITY IN MALES.

Supplemental Notes: SPECIAL PRICES FOR ACADEMIC INSTITUTES UNIVERSITY OF MINNESOTA—DOCTORAL THESIS.

Availability: UNIVERSITY MICROFILMS, 300 NORTH ZEEB ROAD, ANN ARBOR MI 48106. Stock Order No. 77-7026. (Microfiche)

226. **PERSPECTIVES ON THE MEDICAL RESEARCH OF VIOLENCE.** By L. S. COLEMAN. AMERICAN ORTHOPSYCHIATRIC ASSOCIATION, 1775 BROADWAY, NEW YORK NY 10019. *AMERICAN JOURNAL OF ORTHOPSYCHIATRY*, V 44, N 5 (OCTOBER 1974), P 675-687. NCJ-56368

MUCH OF THE BIOMEDICAL RESEARCH ON VIOLENCE CONDUCTED IN THE 1970'S IS BASED ON HIGHLY QUESTIONABLE ASSUMPTIONS. THIS PAPER REVIEWS RESEARCH ON VIOLENCE AND EXAMINES POLITICAL IMPLICATIONS OF VIOLENCE PREDICTION.

Supplemental Notes: PRESENTED AT THE 1974 ANNUAL MEETING OF THE AMERICAN ORTHOPSYCHIATRIC ASSOCIATION, SAN FRANCISCO, CALIFORNIA.

227. **PHYSIOLOGY OF VIOLENCE—THE ROLE OF CEREBRAL HYPERSENSITIVE REACTION IN AGGRESSION.** By W. PHILPOTT. 1976. NCJ-40038

TAPED PRESENTATION CONTENTS THAT INDIVIDUALS CAN BE ALLEGICALLY MALADAPTIVE TO CERTAIN FOODS AND CHEMICALS IN SUCH A WAY THAT PREDISPOSES THEM TO VIOLENT ACTS.

Supplemental Notes: 65 MINUTES, 1976.

Availability: HUXLEY INSTITUTE FOR BIO-SOCIAL RESEARCH, 1114 FIRST AVENUE, NEW YORK NY 10021 (Audio Cassette)

228. **PLASMA CATECHOLAMINES, STRESS AND AGGRESSION IN MAXIMUM SECURITY PATIENTS.** By D. D. WOODMAN, J. W. HINTON, and M. T. O'NEILL. NORTH-HOLLAND PUBLISHING COMPANY, JAN VAN GALLENSTR 335, AMSTERDAM, NETHERLANDS. *BIOLOGICAL PSYCHOLOGY*, V 6, N 2 (1978), P 147-154. NCJ-57100

PHYSIOLOGICAL RESPONSES TO STRESS AMONG 58 MALE INMATES OF A MAXIMUM-SECURITY PSYCHIATRIC HOSPITAL ARE EXAMINED.

229. **PLASMA TESTOSTERONE LEVELS IN THE RAPIST.** By R. T. RADA and R. KELLNER. ELSEVIER NORTH-HOLLAND, INC 52 VANDERBILT AVENUE, NEW YORK NY 10017. *PSYCHOSOMATIC MEDICINE*, V 38, N 4 (JULY-AUGUST 1976), P 257-268. NCJ-56730

A STUDY OF TESTOSTERONE (MALE SEX HORMONE) LEVELS IN THE PLASMA OF 52 OFFENDERS CONVICTED OF RAPE AND 12 CONTROLS (OFFENDERS CONVICTED OF CHILD MOLESTATION WITHOUT VIOLENCE) IS DOCUMENTED.

230. **POLYAMINE LEVELS IN JAIL INMATES.** By C. GROESBECK and B. D'ASARO. MORRIS COUNTY OFFICE OF THE SHERIFF, COUNTY COURTHOUSE, MORRISTOWN NJ 07960. 7 p. 1974. NCJ-14341

RESULTS OF A STUDY TO DETERMINE THE RELATIONSHIP BETWEEN THE QUANTITY OF POLYAMINES IN THE BLOOD AND BEHAVIOR.

Sponsoring Agency: NEW JERSEY STATE LAW ENFORCEMENT PLANNING AGENCY, 3535 QUAKER BRIDGE ROAD, TRENTON NJ 08625.

231. **PRECURSOR OF DELINQUENCY—THE HYPERKINETIC DISORDER OF CHILDHOOD.** By A. BAKAI and L. V. RABKIN. NEW YORK STATE DEPARTMENT OF MENTAL HYGIENE HUDSON RIVER PSYCHIATRIC CENTER, ROUGH-KEEPSIE NY 12601. *PSYCHIATRIC QUARTERLY*, V 48, N 3 (1974), P 387-399. NCJ-56955

EVIDENCE (INCLUDING A DETAILED CASE HISTORY) LINKING THE HYPERKINETIC SYNDROME OF CHILDHOOD WITH DELINQUENCY IN ADOLESCENCE IS EXAMINED.

- 232. PREDICTION OF EEG (ELECTROENCEPHALOGRAPH) ABNORMALITIES IN ADOLESCENT DELINQUENTS.** By S. D. LOOMIS, P. J. BOHNERT, and S. HUNCKE. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF GENERAL PSYCHIATRY*, V 17, N 4 (1967), P 494-497. NCJ-56772

A SAMPLE OF 100 RESIDENTS OF A HOME FOR DELINQUENT AND DEPENDENT GIRLS WAS USED TO INVESTIGATE THE CORRELATION BETWEEN ELECTROENCEPHALOGRAPH (EEG) ABNORMALITIES AND JUVENILE DELINQUENCY IN FEMALES.

**Supplemental Notes:** PRESENTED TO THE 122ND ANNUAL MEETING OF THE AMERICAN PSYCHIATRIC ASSOCIATION, ATLANTIC CITY (NJ), MAY 9-13, 1968.

- 233. PREDICTION OF POLICE INCIDENTS AND ACCIDENTS BY METEOROLOGICAL VARIABLES.** By D. P. WILL JR and S. B. SELLS. TEXAS CHRISTIAN UNIVERSITY INSTITUTE OF BEHAVIORAL RESEARCH, TCU CAMPUS, FORT WORTH TX 76129. 88 p. 1969. NCJ-19425

WEATHER VARIABLES WERE STUDIED AS PREDICTORS OF POLICE INCIDENTS IN THE CITY OF FORT WORTH (TX) FOR A SIX MONTH PERIOD IN 1964.

**Sponsoring Agency:** US DEPARTMENT OF THE NAVY OFFICE OF NAVAL RESEARCH, WASHINGTON DC 20032.

**Availability:** NTIS Accession No. AD 685 615; NCJRS MICROFICHE PROGRAM.

- 234. PRELIMINARY STUDY OF CRIMINALITY AMONG TWINS (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR, 1977, BY SARNOFF A MEDNICK AND KARL O CHRISTIANSEN—SEE NCJ-47285).** By K. O. CHRISTIANSEN. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 20 p. 1977. NCJ-47289

CONCORDANCE IN RELATION TO SOCIAL BACKGROUND FACTORS IS ANALYZED IN UNSELECTED TWIN PAIRS FROM THE DANISH TWIN REGISTER.

- 235. PREVALENCE AND A 2 1/2 YEARS INCIDENCE OF CHROMOSOME ABNORMALITIES AMONG ALL MALES IN A FORENSIC PSYCHIATRIC CLINIC.** By J. NIELSEN. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, V 119, N 552 (NOVEMBER 1971), P 503-512. NCJ-56947

THE FREQUENCY AND NATURE OF CHROMOSOME ABERRATIONS AMONG 211 MALES REFERRED BY THE COURTS TO A PSYCHIATRIC CLINIC IN DENMARK FOR TREATMENT OR OBSERVATION ARE ANALYZED.

- 236. PREVALENCE AND INCIDENCE OF THE XYY SYNDROME AND KLINEFELTER'S SYNDROME IN AN INSTITUTION FOR CRIMINAL PSYCHOPATHS.** By J. NIELSEN, T. TSUBOI, B. TUVER, J. T. JENSEN, and J. SACHS. MUNKSGAARD, NOERRE SOEGADE 35, DK-1370 COPENHAGEN K, DENMARK. *ACTA PSYCHIATRICA SCANDINAVICA*, V 45, N 4 (1969), P 403-424. NCJ-56296

THIS STUDY EXAMINES THE PREVALENCE AND INCIDENCE OF THE XYY SYNDROME AND KLINEFELTER'S SYNDROME (47, XYY) IN A SAMPLE OF 325 INMATES OF A DANISH INSTITUTION FOR THE CRIMINALLY INSANE.

- 237. PREVALENCE OF EPILEPSY AMONG PRISONERS.** By J. C. GUNN. ROYAL SOCIETY OF MEDICINE, 2 QUEEN ANNE STREET, LONDON W1M 0BR, ENGLAND. *PROCEEDINGS OF THE ROYAL SOCIETY OF MEDICINE*, V 62, N 1 (JANUARY 1969), P 60-63. NCJ-56894

THIS STUDY INVESTIGATES THE PREVALENCE OF EPILEPSY AMONG PRISONERS IN DETENTION CENTERS IN ENGLAND AND WALES. DATA FOR THE STUDY WERE GATHERED THROUGH SURVEYS OF PRISON MEDICAL OFFICERS.

- 238. PREVALENCE OF THE XYY SYNDROME IN AN INSTITUTION FOR PSYCHOLOGICALLY ABNORMAL CRIMINALS.** By J. NIELSEN, G. STURUP, T. TSUBOI, and D. ROMANO. MUNKSGAARD, NOERRE SOEGADE 35, DK-1370 COPENHAGEN K, DENMARK. *ACTA PSYCHIATRICA SCANDINAVICA*, V 45, N 1 (1969), P 383-401. NCJ-56362

A STUDY OF CHROMOSOMAL ABNORMALITIES AMONG THE INMATES OF A DANISH INSTITUTION FOR CRIMINAL PSYCHOPATHS IS REPORTED.

- 239. PRISON SURVEY FOR THE XYY KARYOTYPE IN TALL INMATES.** By W. H. FINLEY, C. E. MCDANAL, S. C. FINLEY, and C. J. ROSECRANS. PLENUM PUBLISHING CORPORATION, 227 WEST 17TH STREET, NEW YORK NY 10011. *BEHAVIOR GENETICS*, V 3, N 1 (MARCH 1973), P 87-100. NCJ-57141

TALL PRISONERS IN TWO ALABAMA PRISONS WERE CYTOGENETICALLY EXAMINED TO DETERMINE THE INCIDENCE OF XYY CHROMOSOME INDIVIDUALS IN THE SAMPLE AND IDENTIFY POSSIBLE CONSISTENCIES TYPE OF OFFENSES BY XYY PRISONERS.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE PUBLIC HEALTH SERVICE, 5600 FISHERS LANE, ROCKVILLE MD 20852.

- 240. PROBLEMS OF CRIMINAL PSYCHOLOGY RELATED TO HYPOGLYCEMIC STATES.** By J. WILDER. *JOURNAL OF CRIMINAL PSYCHOPATHOLOGY*, V 1, N 3 (JANUARY 1940), P 219-233. NCJ-56771

REPORTED INCIDENTS OF CRIMINALITY FOUND TO BE ASSOCIATED WITH HYPOGLYCEMIA ARE DISCUSSED, AND PSYCHOLOGICAL AND BEHAVIORAL SYMPTOMS OF HYPOGLYCEMIA ARE DESCRIBED.

- 241. PROJECT CAMIO (CORRECTIONAL ADMINISTRATION AND THE MENTALLY INCOMPETENT OFFENDER), V 2—THEORIES ON CRIMINALITY AND MENTAL RETARDATION.** TEXAS DEPARTMENT OF MENTAL HEALTH AND MENTAL RETARDATION, BOX 12688, CAPITOL STATION, AUSTIN TX 78711. 153 p. 1973. NCJ-12528

HISTORICAL AND PHILOSOPHICAL PERSPECTIVE OF MENTAL RETARDATION, AND THEORETICAL TRENDS OF THE RELATIONSHIP BETWEEN MENTAL RETARDATION AND DEVIANT BEHAVIOR.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, 330 INDEPENDENCE AVENUE, SW, WASHINGTON DC 20201.

- 242. PROSPECTIVE STUDY OF PREDICTORS OF CRIMINALITY, INTRODUCTION (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR 1977, BY SARNOFF A MEDNICK AND KARL O CHRISTIANSEN—SEE NCJ-47285).** By S. A. MEDNICK. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 2 p. 1977. NCJ-47293

A PROSPECTIVE LONGITUDINAL STUDY OF 207 CHILDREN WITH SCHIZOPHRENIC MOTHERS AND 104 CONTROL CHILDREN IS DESCRIBED, AND SUBSEQUENT RESEARCH TO BE PRESENTED IN FOLLOWING CHAPTERS IS INTRODUCED.

**Sponsoring Agency:** NORTHEASTERN FAMILY INSTITUTE, INC, 15A SEWALL STREET, MARBLEHEAD MA 01845.

- 243. PROSPECTIVE STUDY OF PREDICTORS OF CRIMINALITY, 2—A DESCRIPTION OF REGISTERED CRIMINALITY IN THE HIGH-RISK AND LOW-RISK FAMILIES (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR, 1977, BY SARNOFF A MEDNICK—SEE NCJ-47285).** By L. KIRKEGAARD-SORENSEN and S. A. MEDNICK. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 15 p. 1977. NCJ-47294

THE KINDS AND AMOUNTS OF REGISTERED CRIMINALITY IN FAMILIES WITH A SCHIZOPHRENIC MOTHER ARE DESCRIBED.

**Supplemental Notes:** REPRINTED FROM JOURNAL OF ABNORMAL PSYCHOLOGY (1975), 84.

**Sponsoring Agency:** NORTHEASTERN FAMILY INSTITUTE, INC, 15A SEWALL STREET, MARBLEHEAD MA 01845.

244. **PROSPECTIVE STUDY OF PREDICTORS OF CRIMINALITY, 3 ELECTRODERMAL RESPONSE PATTERNS (FROM BIO-SOCIAL BASES OF CRIMINAL BEHAVIOR, 1977, BY SARNOFF A MEDNICK AND KARL O CHRISTIANSEN—SEE NCJ-47285). By J. LOEB and S. A. MEDNICK. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 10 p. 1977. NCJ-47295**

THE ELECTRODERMAL FUNCTIONING OF SUBJECTS PRIOR TO ANY REGISTERING OF ASOCIAL ACTS IS MEASURED AND THEN CORRELATED WITH ANY DELINQUENT BEHAVIOR SUBSEQUENTLY RECORDED.

**Sponsoring Agency:** NORTHEASTERN FAMILY INSTITUTE, INC, 15A SEWALL STREET, MARBLEHEAD MA 01945.

245. **PSYCHIATRIC DISORDERS AND CRIMINAL RECIDIVISM—A FOLLOW-UP STUDY OF FEMALE CRIMINALS. By C. R. CLONINGER and S. B. GUZE. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. ARCHIVES OF GENERAL PSYCHIATRY, V 29, N 2 (AUGUST 1973), P 286-289. NCJ-57139**

THIS ARTICLE REPORTS A PSYCHIATRIC STUDY OF 68 PAROLED, FEMALE FELONS, AND THE FOLLOWUP INVESTIGATION OF THEIR RECIDIVISM 2 TO 3 YEARS AFTER PAROLE; 33 PERCENT OF THE WOMEN WERE REARRESTED AT LEAST ONCE.

246. **PSYCHIATRIC STUDIES OF AGGRESSIVE BEHAVIOR IN PENITENTIARY INMATES (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W S FIELDS AND W H SWEET—SEE NCJ-57520). By F. R. ERVIN. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 10 p. 1975. NCJ-57525**

THIS ARTICLE FROM THE SYMPOSIUM ON NEURAL BASES OF VIOLENCE AND AGGRESSION EXAMINES THE METHODOLOGICAL PROBLEMS OF STUDYING VIOLENT PRISONERS AND GIVING THEM PROPER MEDICAL TREATMENT.

247. **PSYCHOEDUCATIONAL DIAGNOSTIC SERVICES FOR LEARNING DISABLED YOUTHS—RESEARCH PROCEDURES. By T. S. BARROWS, P. B. CAMPBELL, B. A. SLAUGHTER, and M. L. TRAINOR. EDUCATIONAL TESTING SERVICE, PRINCETON NJ 08540. 39 p. 1977. NCJ-46418**

THE DIAGNOSTIC PROCEDURES EMPLOYED IN A RESEARCH AND DEMONSTRATION PROGRAM INVESTIGATING THE RELATIONSHIP BETWEEN SPECIFIC LEARNING DISABILITIES (LD) AND JUVENILE DELINQUENCY ARE OUTLINED.

**Sponsoring Agency:** US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION NATIONAL INSTITUTE OF JUVENILE JUSTICE & DELINQUENCY PREVENTION, WASHINGTON, DC 20531.

**Availability:** NCJRS MICROFICHE PROGRAM.

248. **PSYCHOLOGICAL AND SOCIOLOGICAL INVESTIGATION OF XYY PRISONERS. By A. W. GRIFFITHS, B. W. RICHARDS, J. ZAREMBA, T. ABRAMOWICZ, and STEWART. MACMILLAN PRESS LTD, LITTLE ESSEX STREET, LONDON, ENGLAND. NATURE, V 227, N 5255 (JULY 1970), P 290-292. NCJ-56891**

NINE XYY PRISONERS, 71 INCHES TALL AND OVER, AND NINE MATCHED CONTROLS WERE ADMINISTERED A BATTERY OF PSYCHOLOGICAL TESTS AND INTERVIEWED ON THEIR SOCIOLOGICAL HISTORIES TO ASSESS GROUP DIFFERENCES.

249. **PSYCHOLOGY OF AGGRESSION AND THE IMPLICATIONS FOR AGGRESSION CONTROL (FROM HUMAN AGGRESSION AND DANGEROUSNESS, 1976, BY D LABERGE-ALTMER—SEE NCJ-57424). By K. E. MOYER. INSTITUT PHILIPPE PINEL DE MONTREAL, 12, 333 BOULEVARD, MONTREAL, QUEBEC 478, CANADA. 40 p. 1976. Canada. NCJ-57486**

A PHYSIOLOGICAL MODEL OF AGGRESSIVE BEHAVIOR IS OUTLINED, ALONG WITH ITS IMPLICATIONS FOR THE PHYSIOLOGICAL CONTROL OF HOSTILITY AND AGGRESSION.

**Supplemental Notes:** REPRINTED FROM CONTROL OF AGGRESSION AND VIOLENCE, COGNITIVE AND PHYSIOLOGICAL, 1971.

250. **PSYCHOPATH—A COMPREHENSIVE STUDY OF ANTISOCIAL DISORDERS AND BEHAVIORS. W. H. REID, Ed. BRUNNER/MAZEL, INC, 19 UNION SQUARE, NEW YORK NY 10003. 365 p. 1978. NCJ-57510**

THIS ANTHOLOGY ON THE PSYCHOPATHIC DIMENSIONS OF ANTISOCIAL DISORDERS AND BEHAVIORS PROVIDES INTRODUCTORY PERSPECTIVES ON PSYCHOPATHY, EXAMINES ITS GENETIC AND ENVIRONMENTAL CORRELATES, AND NOTES TREATMENT APPROACHES.

**Availability:** BRUNNER/MAZEL, INC, 19 UNION SQUARE, NEW YORK NY 10003.

251. **PSYCHOPATHIC BEHAVIOR—A BIBLIOGRAPHY. By R. D. HARE and A. S. HARE. EXCERPTA CRIMINOLOGICA FOUNDATION, 119-123 HERENGRACHT, AMSTERDAM-C, THE NETHERLANDS. EXCERPTA CRIMINOLOGICA, V 7, N 4 (JULY/AUGUST 1967), P 365-386. NCJ-57529**

THIS ARTICLE CONTAINS A PORTION OF AN EXTENSIVE BIBLIOGRAPHY INCLUDING BOOKS AND JOURNALS PUBLISHED IN ENGLISH ON THE SUBJECT OF PSYCHOPATHY.

**Sponsoring Agency:** CANADA DEPARTMENT OF NATIONAL HEALTH AND WELFARE, HEALTH PROGRAMS BRANCH, OTTAWA, OTTAWA KIA 1B4, CANADA KIA 134.

252. **PSYCHOPATHIC BEHAVIOR—APPROACHES TO RESEARCH. R. D. HARE and D. SCHALLING, Eds. JOHN WRIGHT AND SONS, LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND. 396 p. 1978. United Kingdom. NCJ-57500**

BASED ON PAPERS FROM THE NORTH ATLANTIC TREATY ORGANIZATION'S ADVANCED STUDY INSTITUTE HELD IN FRANCE IN 1975, THIS VOLUME REVIEWS APPROACHES TO THEORY AND RESEARCH IN PSYCHOPATHIC BEHAVIOR.

**Availability:** JOHN WILEY AND SONS, 605 THIRD AVENUE, NEW YORK NY 10016.

253. **PSYCHOPATHIC BEHAVIOR—SOME RECENT THEORY AND RESEARCH (FROM ADVANCES IN EXPERIMENTAL CLINICAL PSYCHOLOGY, 1971, BY HARRY E ADAMS AND WILLIAM K BOARDMAN). By R. D. HARE. PERGAMON PRESS, INC, MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD NY 10523. 48 p. 1971. NCJ-57479**

THE PERSONALITY CHARACTERISTICS OF BOTH PRIMARY AND SECONDARY PSYCHOPATHS ARE DISCUSSED, IN ADDITION TO RESEARCH FINDINGS ON THE AUTONOMIC AND CORTICAL CORRELATES OF PSYCHOPATHIC BEHAVIOR.

**Sponsoring Agencies:** CANADIAN MENTAL HEALTH ASSOCIATION, 52 ST CLAIR AVENUE EAST, TORONTO M4T 1M9, CANADA; CANADA DEPARTMENT OF NATIONAL HEALTH AND WELFARE, HEALTH PROGRAMS BRANCH, OTTAWA, OTTAWA KIA 1B4, CANADA KIA 134.

254. **PSYCHOPATHOLOGY IN ADOPTED-AWAY OFFSPRING OF BIOLOGIC PARENTS WITH ANTISOCIAL BEHAVIOR. By R. J. CADORET. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. ARCHIVES OF GENERAL PSYCHIATRY, V 35, N 2 (FEBRUARY 1978), P 176-184. NCJ-58423**

THIS STUDY EXAMINES THE ADOPTED-AWAY OFFSPRING OF BIOLOGIC PARENTS WITH ANTISOCIAL PERSONALITY OR BEHAVIOR IN ORDER TO DETERMINE IF THE ANTISOCIAL BEHAVIOR IS ASSOCIATED WITH AN ANTISOCIAL BIOLOGIC BACKGROUND.

255. **PSYCHOPATHY. By R. D. HARE. 30 p. 1977. Canada. NCJ-55253**

THE CONCEPT OF PSYCHOPATHY AND THE WAYS IN WHICH SUBJECTS ARE SELECTED FOR RESEARCH ON PSYCHOPATHOLOGY

ARE DISCUSSED, AND AN OVERVIEW OF PSYCHOPHYSIOLOGICAL CORRELATES OF PSYCHOPATHY IN ADULTS IS PRESENTED.

- 256. PSYCHOPATHY AND AUTONOMIC CONDITIONING.** By R. D. HARE and M. J. QUINN. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. *JOURNAL OF ABNORMAL PSYCHOLOGY*, V 77, N 3 (JUNE 1971), P 223-235. NCJ-55939

EXPERIMENTS WITH AUTOMATIC CONDITIONING ARE STUDIED TO DETERMINE DIFFERENCES BETWEEN GROUPS OF PSYCHOPATHIC AND NONPSYCHOPATHIC INMATES WHEN SUBJECTED TO UNCONDITIONED STIMULI OTHER THAN ELECTRIC SHOCK.

**Sponsoring Agency:** CANADIAN MENTAL HEALTH ASSOCIATION, 52 ST CLAIR AVENUE EAST, TORONTO M4T 1M9, CANADA.

- 257. PSYCHOPATHY AND ELECTRODERMAL RESPONSES TO NONSIGNAL STIMULATION.** By R. D. HARE. NORTH-HOLLAND PUBLISHING COMPANY, JAN VAN GALLENSTR 335, AMSTERDAM, NETHERLANDS. *BIOLOGICAL PSYCHOLOGY*, V 8 (1978), P 237-248. NCJ-55833

ELECTRODERMAL RESPONSES OF PSYCHOPATHIC AND NONPSYCHOPATHIC INMATES TO NONSIGNAL STIMULATIONS WERE EXAMINED ON THE SUPPOSITION THAT THE PSYCHOPATHS WOULD HAVE HIGHER RESPONSE RATES TO INTENSE STIMULI.

- 258. PSYCHOPATHY AND PHYSIOLOGICAL ACTIVITY IN A MIXED-MOTIVE GAME SITUATION.** By R. D. HARE and D. CRAIGEN. SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH, 2380 LISA LANE, ROUTE 2, MADISON WI 53711. *PSYCHOPHYSIOLOGY*, V 11, N 2 (MARCH 1974), P 197-206. NCJ-56610

THIS STUDY INVESTIGATES SOME OF THE BEHAVIORAL AND PHYSIOLOGICAL RESPONSES OF PSYCHOPATHS IN INTERACTION SITUATIONS USING A TWO-PERSON GAME IN WHICH A PLAYER'S ACTION HAS SPECIFIC OUTCOMES FOR BOTH PLAYERS.

- 259. PSYCHOPATHY AND PHYSIOLOGICAL RESPONSES TO THREAT OF AN AVERSIVE STIMULUS.** By R. D. HARE, J. FRAZELLE, and D. N. COX. SOCIETY FOR PSYCHOPHYSIOLOGICAL RESEARCH, 2380 LISA LANE, ROUTE 2, MADISON WI 53711. *PSYCHOPHYSIOLOGY*, V 15, N 2 (MARCH 1978), P 168-172. NCJ-56509

POSSIBLE SIMILARITIES IN THE REACTION OF PSYCHOPATHS TO THREAT OF AN AUDITORY STIMULUS AND THREAT OF AN ELECTRIC SHOCK (I.E., LOW ELECTRODERMAL AND HIGH CARDIOVASCULAR AROUSAL) ARE INVESTIGATED.

- 260. PSYCHOPATHY AND RESPONSE TO ELECTRICAL STIMULATION.** By R. D. HARE and S. A. THORVALDSON. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. *JOURNAL OF ABNORMAL PSYCHOLOGY*, V 76, N 3 (DECEMBER 1970), P 370-374. NCJ-55822

USING 14 PSYCHOPATHIC AND 14 NONPSYCHOPATHIC INMATES OF THE BRITISH COLUMBIA, CANADA, PENITENTIARY, A FORCED CHOICE PROCEDURE WAS USED TO DETERMINE THE DETECTION THRESHOLD FOR ELECTRICAL STIMULATION.

**Sponsoring Agency:** CANADIAN MENTAL HEALTH ASSOCIATION, 52 ST CLAIR AVENUE EAST, TORONTO M4T 1M9, CANADA.

- 261. PSYCHOPATHY, FEAR AROUSAL AND ANTICIPATED PAIN.** By R. D. HARE. PSYCHOLOGICAL REPORTS, BOX 9228, MISSOULA MT 59807. *PSYCHOLOGICAL REPORTS*, V 18 (APRIL 1985), P 499-502. NCJ-55859

TWO GROUPS OF STUDENTS, SELECTED ON THE BASIS OF THEIR EXTREME SCORES ON A PSYCHOPATHIC DEVIATE SCALE OF A PERSONALITY INVENTORY, WERE USED TO STUDY THE RELATION BETWEEN PSYCHOPATHY, FEAR AROUSAL, AND ANTICIPATED PAIN.

- 262. PSYCHOPATHY (FROM RESEARCH IN PSYCHOPHYSIOLOGY, 1975, BY PETER H VENABLES AND MARGARET J CHRISTIE).** By R. D. HARE. JOHN WRIGHT AND SONS,

LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND. 24 p. 1975. United Kingdom. NCJ-57494

THE PERSONALITY CHARACTERISTICS OF BOTH PRIMARY AND SECONDARY PSYCHOPATHS ARE DISCUSSED, ALONG WITH RESEARCH FINDINGS ON THE AUTONOMIC AND CORTICAL CORRELATES OF PSYCHOPATHY.

- 263. PSYCHOPATHY, PERSONALITY, AND GENETICS (FROM PSYCHOPATHIC BEHAVIOUR—APPROACHES TO RESEARCH, 1978, BY R D HARE AND D SCHALLING—SEE NCJ-57500).** By H. J. EYSENCK and S. B. G. EYSENCK. JOHN WRIGHT AND SONS, LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND. 27 p. 1978. United Kingdom. NCJ-57503

THE GENETIC INFLUENCES ON PSYCHOPATHIC BEHAVIOR AND THE RELATION BETWEEN SUCH BEHAVIOR AND PERSONALITY ARE NOTED IN SUPPORT OF A DIMENSIONAL RATHER THAN A CATEGORICAL APPROACH TO THE CLASSIFICATION OF PSYCHOPATHIC BEHAVIOR.

- 264. PSYCHOPHARMACOLOGY IN THE PREVENTION OF ANTI-SOCIAL AND DELINQUENT BEHAVIOR.** By J. I. SATTERFIELD and D. P. CANTWELL. US DEPARTMENT OF THE ARMY EDGWOOD ARSENAL. *INTERNATIONAL JOURNAL OF MENTAL HEALTH*, V 4, N 1-2 (SPRING/SUMMER 1975), P 227-237. NCJ-57137

EMPIRICAL EVIDENCE THAT HYPERACTIVITY (MINIMAL BRAIN DYSFUNCTION) IN CHILDREN IS A PRECURSOR OF JUVENILE DELINQUENCY AND ADULT SOCIOPATHY IS REVIEWED, AND TREATMENT IMPLICATIONS ARE DISCUSSED.

- 265. PSYCHOSOCIAL AND ELECTROENCEPHALOGRAPHIC STUDIES OF EGYPTIAN MURDERERS.** By A. OKASHA, A. SADEK, and S. A. MONEIM. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, V 126 (JANUARY 1975), P 34-40. NCJ-56956

PSYCHOSOCIAL AND ELECTROENCEPHALOGRAPHIC (EEG) STUDIES WERE CONDUCTED ON A SAMPLE OF 90 MALE AND FEMALE MURDERERS TO DETERMINE FACTORS POSSIBLY ASSOCIATED WITH ANTISOCIAL BEHAVIOR.

- 266. PSYCHOSURGERY FOR THE CONTROL OF VIOLENCE—A CRITICAL REVIEW (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W S FIELDS AND W H SWEET—SEE NCJ-57520).** By P. R. BREGGIN. WARREN H GREEN, INC, 10 SOUTH BRENTWOOD BOULEVARD, ST LOUIS MO 63105. 29 p. 1975. NCJ-57526

THIS ARTICLE FROM A SYMPOSIUM ON NEURAL BASES OF VIOLENCE REVIEWS THE HISTORY OF THE TECHNIQUES OF LOBOTOMY AND AMYGDALECTOMY, AND ADVOCATES THE CESSATION OF THEIR USE UNTIL A LINK BETWEEN BRAIN DAMAGE AND VIOLENCE IS PROVEN.

- 267. READING RETARDATION, DYSLEXIA AND DELINQUENCY.** By E. M. R. CRITCHLEY. HEADLEY BROS LTD, ASHFORD, KENT TN24 8HH, ENGLAND. *BRITISH JOURNAL OF PSYCHIATRY*, V 114, N 517 (DECEMBER 1968), P 1537-1547. NCJ-57008

A STUDY OF READING DISABILITY AMONG YOUTHS REFERRED BY THE COURTS TO A CLASSIFICATION CENTER IN LONDON, ENGLAND, IS REPORTED.

- 268. REDUCTION OF CRIME THRU THE PREVENTION AND TREATMENT OF LEARNING DISABILITIES.** By J. A. WACKER. 10 p. 1974. NCJ-16375

THE NEED FOR RESEARCH ON CAUSES AND TREATMENT OF BIOLOGICAL MALFUNCTIONING IS DISCUSSED, AND A REVIEW OF

THE LITERATURE ON THE RELATIONSHIP BETWEEN LEARNING PROBLEMS AND JUVENILE DELINQUENCY IS PRESENTED.

**Sponsoring Agency:** U S DEPARTMENT OF JUSTICE, LAW ENFORCEMENT ASSISTANCE ADMIN, NATIONAL INSTITUTE OF LAW ENFORCEMENT AND CRIMINAL JUSTICE.

**Availability:** NCJRS MICROFICHE PROGRAM.

- 269. RELATION OF CRIME TO NUTRITION.** By A. HOFFER. PACIFIC NORTHWEST HUMANIST PUBLICATIONS, P O BOX 167, VICTORIA, BC V8W 2M6, CANADA. *HUMANIST IN CANADA*, V 8, N 3 (AUGUST 1975), P 2-9. NCJ-57290

THE NUTRITIONAL BASES OF CRIME, PARTICULARLY VITAMIN DEFICIENCIES AND ALLERGIC REACTIONS TO CERTAIN FOODS, ARE DISCUSSED, ALONG WITH THE PROPER ROLE OF PUNISHMENT AND EFFECTIVE TREATMENT RESPONSES FOR OFFENDERS.

- 270. RELATION OF DEVIANT SYMPTOMS AND BEHAVIOR IN A NORMAL POPULATION TO SUBSEQUENT DELINQUENCY AND MALADJUSTMENT.** By T. TAYLOR and D. C. WATT. CAMBRIDGE UNIVERSITY PRESS, BENTLEY HOUSE, 200 EUSTON ROAD, LONDON NW1 2DB, ENGLAND. *PSYCHOLOGICAL MEDICINE*, V 7, N 1 (FEBRUARY 1977), P 163-169. NCJ-57446

MORE THAN 6,000 ORDINARY SCHOOL CHILDREN WERE STUDIED IN BUCKINGHAMSHIRE, ENGLAND, TO DETERMINE THE FREQUENCY DISTRIBUTION OF SYMPTOMS AND BEHAVIOR CORRELATED WITH SUBSEQUENT DELINQUENCY AT SPECIFIED AGE LEVELS.

- 271. RELATION OF PSYCHOLOGIC MEASURES OF AGGRESSION AND HOSTILITY TO TESTOSTERONE PRODUCTION IN MAN.** By H. PERSKY, K. D. SMITH, and G. K. BASU. ELSEVIER NORTH-HOLLAND, INC 52 VANDERBILT AVENUE, NEW YORK NY 10017. *PSYCHOSOMATIC MEDICINE*, V 33, N 3 (MAY/JUNE 1971), P 265-277. NCJ-56289

THIS STUDY INVESTIGATES THE RELATION OF PSYCHOLOGICAL MEASURES OF AGGRESSION AND HOSTILITY TO TESTOSTERONE PRODUCTION RATES IN 18 HEALTHY YOUNG MALES, 15 HEALTHY OLDER MALES, AND 6 DYSPHORIC MALE PATIENTS.

**Sponsoring Agency:** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTE OF MENTAL HEALTH, 5600 FISHERS LANE, ROCKVILLE, MD 20852.

- 272. RELATIONS BETWEEN PSYCHOPATHY AND PERSISTENT CRIMINALITY—METHODOLOGICAL AND THEORETICAL ISSUES (FROM PSYCHOPATHIC BEHAVIOUR—APPROACHES TO RESEARCH, 1978, BY R D HARE AND D SCHALLING—SEE NCJ-57500).** By G. TRASLER. JOHN WRIGHT AND SONS, LTD, 42-44 TRIANGLE WEST, BRISTOL BS8 1EX, ENGLAND. 26 p. 1978. United Kingdom. NCJ-57505

THIS ARTICLE EXAMINES THE THEORETICAL PRECEPTS OF THE CRIMINAL JUSTICE SYSTEM AND THE MECHANISMS OF SOCIAL CONTROL, ESPECIALLY AS THEY RELATE TO INDIVIDUALS WHO ARE UNDERSOCIALIZED BUT NOT PSYCHOPATHIC.

- 273. RELATIONSHIP BETWEEN SELF-REPORTED JUVENILE DELINQUENCY AND LEARNING DISABILITIES—A PRELIMINARY LOOK AT THE DATA.** By P. K. BRODER, G. W. PETERS, and J. ZIMMERMAN. 26 p. 1977. NCJ-48417

PRELIMINARY DATA ARE REPORTED FROM A RESEARCH AND DEMONSTRATION PROGRAM INVESTIGATING THE LINK BETWEEN SPECIFIC LEARNING DISABILITIES (LD) AND JUVENILE DELINQUENCY.

**Supplemental Notes:** PREPARED FOR PRESENTATION AT THE

NCJCNDA (NATIONAL COUNCIL OF JUVENILE COURT JUDGES-NATIONAL DISTRICT ATTORNEYS ASSOCIATION) FIFTH ANNUAL CONFERENCE ON JUVENILE JUSTICE.

**Sponsoring Agency:** US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION NATIONAL INSTITUTE OF JUVENILE JUSTICE & DELINQUENCY PREVENTION, WASHINGTON, DC 20531.

**Availability:** NCJRS MICROFICHE PROGRAM.

- 274. RELUCTANT DELINQUENT.** By I. EISENBERG. A. CINQUEGRANA, Ed. LAWREN PRODUCTIONS, INC, P O BOX 666, MENDOCINO CA 95460. 1977. NCJ-48822

THIS FILM SHOWS HOW YOUTHS WITH LEARNING DISABILITIES ARE SOMETIMES FORCED INTO DELINQUENT BEHAVIOR WHEN THEIR DISABILITIES ARE NOT RECOGNIZED.

**Supplemental Notes:** 24 MINUTES, 16MM COLOR, 1977 THE KIT INCLUDES FILM AND A 10-PAGE STUDY GUIDE—DO YOU KNOW A RELUCTANT DELINQUENT.

**Sponsoring Agency:** US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION.

**Availability:** LAWREN PRODUCTIONS, INC, P O BOX 666, MENDOCINO CA 95460. (Kit)

- 275. REPORT OF SEX CHROMOSOME ABNORMALITIES IN MENTALLY RETARDED MALE OFFENDERS INCLUDING A PSYCHOLOGICAL STUDY OF PATIENTS WITH XYY AND XXY KARYOTYPES.** By J. BECKMANN, A. DUPONT, I. ERLING, P. JACOBSEN, M. MIKKELSEN, and A. THEILGAARD. NATIONAL SOCIETY FOR MENTALLY HANDICAPPED CHILDREN, PEMBRIDGE HALL, 17 PEMBRIDGE SQUARE, LONDON W2 4EP, ENGLAND. *JOURNAL OF MENTAL DEFICIENCY RESEARCH*, V 18, N 4 (DECEMBER 1974), P 331-341. NCJ-56389

CHROMOSOME ABNORMALITIES AMONG MENTALLY RETARDED DANISH MALE OFFENDERS ARE EXAMINED, AND THE CHARACTERISTICS OF CHROMOSOMALLY ABNORMAL OFFENDERS ARE ANALYZED.

- 276. RESEARCH ON VIOLENCE.** By D. J. WEST, P. WILES, and C. STANWOOD. UNIVERSITY OF CAMBRIDGE INSTITUTE OF CRIMINOLOGY, 7 WEST ROAD, CAMBRIDGE CB3 9DT, ENGLAND. 124 p. NCJ-16313

RESEARCH IN CRIMINAL VIOLENCE WITH OVER 2,000 CITATIONS.

**Availability:** UNIVERSITY OF CAMBRIDGE INSTITUTE OF CRIMINOLOGY, 7 WEST ROAD, CAMBRIDGE CB3 9DT, ENGLAND.

- 277. RETARDED READERS AND ANTI-SOCIAL YOUNG PEOPLE—AN ENGLISH STUDY.** By S. S. SEGAL. ASSOCIATION FOR PSYCHIATRIC TREATMENT OF OFFENDERS, 199 GLOUCESTER PLACE, LONDON NW1 6BU, ENGLAND. *INTERNATIONAL JOURNAL OF OFFENDER THERAPY AND COMPARATIVE CRIMINOLOGY*, V 17, N 3 (1973), P 297-302. NCJ-13112

THE COINCIDENCE OF ANTISOCIAL BEHAVIOR AND BACKWARDNESS IN SCHOOL SUGGESTS THAT THE FORMER MAY BE DUE TO THE EMOTIONAL AND SOCIAL CONSEQUENCES OF THE LATTER.

- 278. REVIEW OF CURRENT RESEARCH (FROM BRAIN DYSFUNCTION IN AGGRESSIVE CRIMINALS, 1978, BY RUSSELL R MONROE—SEE NCJ-53119).** By R. R. MONROE and J. R. LION. HEATH LEXINGTON BOOKS, 125 SPRING STREET, LEXINGTON MA 02173. 45 p. 1978. NCJ-53121

THIS PAPER UPDATES THROUGH 1977 MONROE'S 1970 MONOGRAPH 'EPISODIC BEHAVIORAL DISORDER,' WHICH REVIEWS AMERICAN AND ENGLISH LITERATURE AND ESTABLISHES CRITERIA TO DISCRIMINATE BETWEEN EPILEPTOID AND MOTIVATED DISORDER.

- 279. REVIEW OF STUDIES OF CRIMINALITY AMONG TWINS (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR, 1977, BY SARNOFF A MEDNICK AND KARL O CHRISTIANSEN—SEE NCJ-47285).** By K. O. CHRISTIANSEN. GARDNER

PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 44 p. 1977. NCJ-47288

THE PROBLEMS AND RESULTS OF 9 CRIMINOLOGICAL TWIN INVESTIGATIONS ARE REVIEWED, ALONG WITH CRIMINOLOGICALLY RELEVANT CASES KNOWN BY THE AUTHOR IN WHICH MONOZYGOTIC TWINS HAVE BEEN REARED APART.

280. **SEARCH FOR XYY SYNDROME IN PSYCHIATRICALY DISTURBED CHILDREN AND ADOLESCENT JUVENILE DELINQUENTS—A PRELIMINARY REPORT.** By J. C. DUFFY and J. CERVENKA. HUMAN SCIENCES PRESS, 72 FIFTH AVENUE, NEW YORK NY 10011. *CHILD PSYCHIATRY AND HUMAN DEVELOPMENT*, V 2, N 1 (FALL 1971), P 50-53. NCJ-56891

A SAMPLE OF 46 JUVENILE PATIENTS REFERRED TO PSYCHIATRISTS FOR VIOLENT AND ANTISOCIAL BEHAVIOR WERE TESTED TO DETERMINE THE LIKELIHOOD THAT THESE PATIENTS HAVE XYY CHROMOSOMES.

**Supplemental Notes:** PRESENTED AT THE FIFTH WORLD CONGRESS OF PSYCHIATRY, NOVEMBER 25-DECEMBER 4, 1971, MEXICO.

281. **SEX CHROMOSOME ABNORMALITIES AND CRIME.** By W. H. BOON, C. T. SENG, and N. SINGH. FAR EAST TRADE PRESS LTD, 1913 HANGLUNG CENTRE, HONG KONG. *MODERN MEDICINE OF ASIA*, V 14, N 11 (NOVEMBER 1978) P 11-15. NCJ-57095

A SEX CHROMOSOME SCREENING OF 1,508 MALE INMATES AT A MAXIMUM SECURITY PRISON IN SINGAPORE IS REPORTED, AND THE LINK BETWEEN CRIMINALITY AND CHROMOSOME ABNORMALITIES IS QUESTIONED.

282. **SEX CHROMOSOME ABNORMALITIES—HOW STRONG IS THE LINK WITH CRIME?** By W. H. PRICE. SANFORD EVANS PUBLISHING LTD. *MANITOBA MEDICAL REVIEW*, V 48, N 1 (JANUARY 1988), P 28-27. NCJ-57006

THIS ARTICLE REPORTS THAT NEARLY 3 PERCENT OF THE MALE POPULATION OF A SCOTTISH MAXIMUM SECURITY FACILITY HAVE AN XYY SEX CHROMOSOME COMPLEMENT, AND ALL THESE HAVE A RECORD OF PERVERTED AND IRRESPONSIBLE BEHAVIOR.

283. **SEX CHROMOSOME ABNORMALITIES IN MENTALLY RETARDED CRIMINALS.** By M. MIKKELSEN and I. ERLING. SPRINGER-VERLAG, 175 FIFTH AVENUE, NEW YORK NY 10010. *JOURNAL OF LEGAL MEDICINE*, V 69, N 3 (1971), P 157-160. NCJ-56823

DURING A 1-YEAR PERIOD, BOTH FIRST OFFENDERS AND RECIDIVISTS UNDER THE CARE OF A COPENHAGEN (DENMARK) CENTER FOR THE MENTALLY RETARDED WERE EXAMINED CYTOGENETICALLY TO DETERMINE THE INCIDENCE OF XYY MALES.

284. **SEX CHROMOSOME ANEUPLOIDY AND CRIMINAL BEHAVIOR.** By W. M. C. BROWN, P. A. JACOBS, and W. H. PRICE. ACADEMIC PRESS LTD, 24-28 OVAL ROAD, LONDON NW1, ENGLAND. *EUGENICS SOCIETY SYMPOSIUM*, V 4 (1988), P 180-193. NCJ-57018

AN OVERVIEW OF RESEARCH INTO SEX CHROMOSOME ABNORMALITIES IN BEHAVIORALLY DISTURBED MALES IS PRESENTED.

285. **SEX CHROMOSOMES AND CRIME.** AMERICAN COLLEGE OF PHYSICIANS, 4200 PINE STREET, PHILADELPHIA PA 19104. *ANNALS OF INTERNAL MEDICINE*, V 69, N 1 (JULY 1968), P 399-401. NCJ-56390

AN OVERVIEW IS PROVIDED OF THE RESULTS OF MEDICAL RESEARCH CONDUCTED BETWEEN 1962 AND 1968 LINKING ABNORMAL SEX CHROMOSOME COMPLEMENT IN MALES WITH CRIMINAL AND ANTISOCIAL BEHAVIOR, PARTICULARLY AGGRESSION.

286. **SEX DETERMINATION, MENTAL SUBNORMALITY, CRIME AND DELINQUENCY IN MALES.** By W. H. PRICE. BRITISH SOCIETY FOR THE STUDY OF MENTAL SUBNORMALITY, MONYHULL HOSPITAL, BIRMINGHAM, ENGLAND. *JOUR-*

*NAL OF MENTAL SUBNORMALITY*, V 15, N 28, PART 1 (JUNE 1969), P 37-44. NCJ-57499

THIS ARTICLE SUMMARIZES THE STATE OF KNOWLEDGE IN THE FIELD OF SEX CHROMOSOME ABNORMALITIES, THEIR ASSOCIATIONS WITH PHYSICAL CHARACTERISTICS, AND THEIR TIES WITH AGGRESSION AND MENTAL SUBNORMALITY.

287. **SEXUALLY DEVIANT BEHAVIOR IN KLINEFELTER'S SYNDROME.** By H. D. MOSIER, L. W. SCOTT, and H. F. DINGMAN. C V MOSBY COMPANY, 11836 WESTLINE INDUSTRIAL DRIVE, ST LOUIS MO 63141. 3 p. 1960. NCJ-55217

LINKS BETWEEN SEXUALLY DEVIANT BEHAVIOR AND A DISORDER CHARACTERIZED IN PART BY THE PRESENCE OF FEMALE GENETIC MATERIAL ARE EXPLORED IN A STUDY OF MALE PATIENTS IN STATE MENTAL HOSPITALS.

**Supplemental Notes:** REPRINTED FROM JOURNAL OF PEDIATRICS, V 57, N 3 (SEPTEMBER 1960), P 479-483.

288. **SKIN CONDUCTANCE RECOVERY IN ANTI-SOCIAL ADOLESCENTS (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR, 1977, BY SARNOFF A MEDNICK AND KARL O CHRISTIANSEN—SEE NCJ-47285).** By D. A. T. SIDDLE, S. A. MEDNICK, A. R. NICOL, and R. H. FOGGITT. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 4 p. 1977. NCJ-47292

THE HYPOTHESIS THAT THE ELECTRODERMAL RESPONSE (EDR) LONGER AS THE DEGREE OF ANTISOCIAL BEHAVIOR INCREASED IS EXAMINED IN ADOLESCENTS.

**Supplemental Notes:** REPRINTED FROM BRITISH JOURNAL OF SOCIAL AND CLINICAL PSYCHOLOGY (1976), 15.

**Sponsoring Agency:** NORTHEASTERN FAMILY INSTITUTE, INC, 15A SEWALL STREET, MARBLEHEAD MA 01945.

289. **SOME EFFECTS OF NICOTINIC AND ASCORBIC ACIDS ON THE BEHAVIOR OF INSTITUTIONALIZED JUVENILE DELINQUENTS (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS..., 1978, BY L J HIPPECHEN—SEE NCJ-50444).** By M. E. WARE. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 26 p. 1978. NCJ-50452

THIS REPORT SUMMARIZES FINDINGS WHICH LED RESEARCHERS TO BELIEVE THAT MEGAVITAMIN THEORY MIGHT BENEFIT DELINQUENT YOUTHS. DETAILS ARE PRESENTED OF A PILOT STUDY OF 45 BOYS IN A VIRGINIA STATE INSTITUTION.

290. **SOME GENETIC ASPECTS OF ALCOHOLISM AND CRIMINALITY.** By M. BOHMAN. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. *ARCHIVES OF GENERAL PSYCHIATRY*, V 35, N 3 (MARCH 1978), P 269-276. NCJ-52320

DATA ON APPROXIMATELY 2,000 SWEDISH ADOPTEDS AND THEIR BIOLOGICAL AND ADOPTIVE PARENTS ARE ANALYZED TO EXPLORE THE POSSIBILITY OF A GENETIC DETERMINANT OF ALCOHOLISM AND CRIMINALITY.

291. **SOME OBSERVATIONS ON THE LINK BETWEEN LEARNING DISABILITIES AND JUVENILE DELINQUENCY.** By J. ZIMMERMAN, W. D. RICH, I. KEILITZ, and P. K. BRODER. NATIONAL CENTER FOR STATE COURTS MID-ATLANTIC REGIONAL OFFICE, COLLEGE OF WILLIAM AND MARY, P O BOX FG, WILLIAMSBURG VA 23185. 43 p. 1978. NCJ-50951

A TOTAL OF 687 DELINQUENT AND 1,005 NONDELINQUENT YOUTH WERE SCREENED FOR LEARNING DISABILITIES, THEN WERE ASKED ABOUT DELINQUENT BEHAVIORS. NO SIGNIFICANT DIFFERENCES COULD BE RELATED TO LEARNING DISABILITY.

**Sponsoring Agency:** US DEPARTMENT OF JUSTICE LAW ENFORCEMENT ASSISTANCE ADMINISTRATION OFFICE OF JUVENILE JUSTICE AND DELINQUENCY PREVENTION, WASHINGTON, DC 20531.

**Availability:** NCJRS MICROFICHE PROGRAM.



292. SOME THEORETICAL PRINCIPLES BASIC TO ORTHOMOLECULAR PSYCHIATRIC TREATMENT (FROM ECOLOGIC-BIOCHEMICAL APPROACHES TO TREATMENT OF DELINQUENTS AND CRIMINALS, 1977, BY LEONARD J. HIPPCHEN—SEE NCJ-50444). By A. HOFFER. VAN NOSTRAND REINHOLD, 450 WEST 33RD STREET, NEW YORK NY 10001. 25 p. 1978. NCJ-50447

THE HISTORY, DISCOVERIES, AND THEORIES OF ORTHOMOLECULAR PSYCHIATRY ARE DISCUSSED. CHEMICAL IMBALANCES AND PSYCHOLOGICAL FACTORS BOTH CONTRIBUTE TO EXPLANATIONS OF BEHAVIOR.

293. SPECIFIC READING RETARDATION, HYPERACTIVE CHILD SYNDROME, AND JUVENILE DELINQUENCY. By M. VIRKKUNEN and A. NUUTILA. ACTA PSYCHIATRICA SCANDINAVICA, KR 348 MUNKSGAARD, NOERRE SOEGADE 35, DK-1370 COPENHAGEN, DENMARK. ACTA PSYCHIATRICA SCANDINAVICA, V 54 (1976), P 25-28. NCJ-55029

REPORT ON A STUDY TO DETERMINE THE EXTENT TO WHICH A SPECIFIC READING RETARDATION LEADS TO CRIMINAL DEVELOPMENT IN ADOLESCENTS AND TO WHAT FACTORS SUCH DEVELOPMENT IS DUE IN THESE CASES.

294. STRESS, AROUSAL, AND JUVENILE DELINQUENCY—HYPOTHESIS. By A. R. MAWSON. 11 p. 1978. NCJ-54023

MUCH DELINQUENT BEHAVIOR IS THE OUTCOME OF PSYCHOLOGICAL AND BEHAVIORAL CHANGES RESULTING FROM INCREASED LEVELS OF TRANSIENT OR CHRONIC AROUSAL DUE TO ENVIRONMENTAL STRESS, ENDOGENOUS CHANGES, OR BOTH. THIS THEORY IS EXAMINED.

Supplemental Notes: PRESENTED AT THE AMERICAN SOCIETY OF CRIMINOLOGY ANNUAL MEETING, DALLAS, TEXAS, NOVEMBER 1978.

Availability: NCJRS MICROFICHE PROGRAM.

295. STUDIES OF PERSONS CONFINED FOR CRIMES OF VIOLENCE (FROM NEURAL BASES OF VIOLENCE AND AGGRESSION, 1975, BY W. S. FIELDS AND W. H. SWEET—SEE NCJ-57520). By D. WILLIAMS. WARREN H. GREEN, INC., 10 SOUTH BRENTWOOD BOULEVARD, ST. LOUIS MO 63105. 9 p. 1975. NCJ-57523

THIS ARTICLE FROM THE SYMPOSIUM ON NEURAL BASES OF VIOLENCE AND AGGRESSION PRESENTS FINDINGS OF AN ELECTROENCEPHALOGRAPHIC STUDY OF 333 PRISONERS, SUGGESTING ABNORMALITIES IN THE SUBJECTS' BRAIN STEMS.

296. STUDY OF JUVENILE DELINQUENCY BY TWIN METHOD. By S. A. HAYASHI. JAPANESE ASSOCIATION OF CRIMINOLOGY, TOKYO MEDICAL AND DENTAL UNIV, 1-CHOME, YUSHIMA, BUNKYO-KU, TOKYO 113, JAPAN. ACTA CRIMINOLOGIAE ET MEDICINAE LEGALIS JAPANICA, V 29 (1963), P 153-172. (In English and Japanese) NCJ-55310

THIS JAPANESE STUDY USING 15 PAIRS OF MONOZYGOTIC TWINS EXAMINES CONCORDANCE AND DISCORDANCE FACTORS IN DEVIANCY; THAT IS, AT WHAT RATE AND WHY DO TWIN PARTNERS VARIOUSLY RESIST OR SUCCUMB TO JUVENILE DELINQUENCY.

297. STUDY OF THE XYY SYNDROME IN TALL MEN AND JUVENILE DELINQUENTS. By M. J. MARINELLO, R. A. BERKSON, J. A. EDWARDS, and R. M. BANNERMAN. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL 60610. JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION, V 208, N 2 (1969), P 321-325. NCJ-57138

THE INCIDENCE OF THE XYY KARYOTYPE IN POPULATIONS OF MALE INMATES, PSYCHIATRIC PATIENTS, CONTROLS (HOSPITAL EMPLOYEES), AND JUVENILE OFFENDERS IS REPORTED.

298. SURVEY OF Y CHROMOSOME VARIANTS AND PERSONALITY IN 436 BORSTAL LADS AND 254 CONTROLS. By J. KAHN, F. S. REED, M. BATES, T. COATES, and B. EVERITT. INSTITUTE FOR THE STUDY AND TREATMENT OF DELINQUENCY, 11 NEW FETTER LANE, LONDON EC4 P4E, ENGLAND. BRITISH JOURNAL OF CRIMINOLOGY, V 16, N 3 (JULY 1976), P 233-244. NCJ-56244

THIS PAPER REPORTS ON SURVEY FINDINGS, COLLECTED OVER THREE YEARS (1969-1972), WITH REGARD TO TWO VARIANTS OF THE Y CHROMOSOME—LONG Y AND marginally long Y—AND THEIR RELATIONSHIP TO DELINQUENCY.

299. TEMPORAL GRADIENT OF FEAR AROUSAL IN PSYCHOPATHS. By R. D. HARE. AMERICAN PSYCHOLOGICAL ASSOCIATION, 1200 17TH STREET, NW, WASHINGTON DC 20036. JOURNAL OF ABNORMAL PSYCHOLOGY, V 70, N 6 (DECEMBER 1965), P 442-445. NCJ-55780

THE SKIN CONDUCTANCE OF TWO GROUPS OF 11 PSYCHOPATHIC AND NONPSYCHOPATHIC CRIMINALS AND A THIRD GROUP OF NONCRIMINAL CONTROLS WAS MONITORED TO ESTABLISH A GRADIENT OF FEAR AROUSAL IN PSYCHOPATHS.

300. TEST OF A THEORY OF DELINQUENCY—'DELINQUENT' BEHAVIORS AMONG INSTITUTIONALIZED DRUG ADDICTS AS A FUNCTION OF AROUSAL AND THE SENSATION-SEEKING MOTIVE. By F. H. FARLEY, H. STEINBERGER, A. COHEN, and K. L. BARR. SAGE PUBLICATIONS, INC., 275 SOUTH BEVERLY DRIVE, BEVERLY HILLS CA 90212. CRIMINAL JUSTICE AND BEHAVIOR, V 6, N 1 (MARCH 1979), P 41-48. NCJ-56180

ANTISOCIAL BEHAVIOR, PHYSIOLOGICAL AROUSAL THRESHOLDS, AND SENSATION-SEEKING MOTIVES ARE EXPLORED IN A STUDY OF 185 HOSPITALIZED ADULT MALE DRUG ADDICTS.

Sponsoring Agency: US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTE ON DRUG ABUSE, 11400 ROCKVILLE PIKE, ROCKVILLE MD 20852.

301. THE MAKING OF AN XYY. By E. ENGEL. AMERICAN ASSOCIATION ON MENTAL DEFICIENCY, 5201 CONNECTICUT AVENUE, NW, WASHINGTON DC 20015. AMERICAN JOURNAL OF MENTAL DEFICIENCY, V 77, N 2 (1972), P 123-127. NCJ-55110

GROUND BREAKING STUDIES OF AGGRESSIVE BEHAVIOR AND MENTAL SUBNORMALITY IN XYY CHROMOSOME MALES ARE REVIEWED, ALONG WITH THE INACCURATE PRESS COVERAGE OF CHICAGO, ILL., MASS MURDERER MISREPORTED AS AN XYY MALE.

302. THREE THYROTOXIC CRIMINALS. By P. J. DAVIS, J. R. RAPPEPORT, J. H. LUTZ, and R. I. GREGERMAN. AMERICAN COLLEGE OF PHYSICIANS, 4200 PINE STREET, PHILADELPHIA PA 19104. ANNALS OF INTERNAL MEDICINE, V 74, N 5 (MAY 1971), P 743-745. NCJ-56386

CASE STUDIES ARE PRESENTED OF THREE MEN WHO, DESPITE COMPLETELY NONCRIMINAL PASTS, COMMITTED FELONIES AFTER DEVELOPING THYROTOXICOSIS, A CONDITION RELATED TO HYPERTHYROIDISM.

303. TRAIT AND TYPE DIFFERENCES AMONG MALE AND FEMALE ASSAULTIVE AND NONASSAULTIVE OFFENDERS. By C. P. MCCREARY. SOCIETY FOR PERSONALITY ASSESSMENT, INC. JOURNAL OF PERSONALITY ASSESSMENT, V 40, N 6 (1976), P 617-621. NCJ-57181

TRAIT AND TYPE DIFFERENCES, AS DEFINED BY THE MINNESOTA MULTIPHASIC PERSONALITY INVENTORY (MMPI) SCALE SCORES AND PROFILES, ARE INVESTIGATED AMONG MALE AND FEMALE MISDEMEANOR ASSAULTIVE AND NONASSAULTIVE OFFENDERS.

304. TREATMENT OF YOUNG DELINQUENT BOYS WITH DI-PHENYLHYDANTOIN SODIUM AND METHYPHENIDATE. By C. K. CONNERS, R. KRAMER, G. H. ROTHCHILD, L. SCHWARTZ, and A. STONE. AMERICAN MEDICAL ASSOCIATION, 535 NORTH DEARBORN STREET, CHICAGO IL

60810. *ARCHIVES OF GENERAL PSYCHIATRY*, V 24 (FEBRUARY 1971), P 152-160. NCJ-55091

FORTY-THREE JUVENILE DELINQUENT MALES, RESIDING IN THE MARYLAND TRAINING SCHOOL, WERE SELECTED FROM 52 NOMINATED CASES AND TREATED WITH EITHER DIPHENYLHYDANTOIN SODIUM, METHYLPHENIDATE, OR PLACEBO.

305. **TWIN STUDIES, INHERITANCE AND CRIMINALITY—A CRITICISM OF DALGARD AND KRINGLEN.** By R. A. FORDE. STEVENS AND SONS, 11 NEW FETTER LANE, LONDON, ENGLAND; INSTITUTE FOR THE STUDY AND TREATMENT OF DELINQUENCY, 34 SURREY STREET, CROYDEN, SURREY CRO IRJ UK. *BRITISH JOURNAL OF CRIMINOLOGY*, V 18, N 1 (JANUARY 1978), P 71-74. NCJ-56512

THIS CRITICISM OF A 1976 NORWEGIAN TWIN STUDY ON HEREDITARY FACTORS IN CRIMINALITY ARGUES THAT THE AUTHORS ERRONEOUSLY CONCLUDED THAT THE SIGNIFICANCE OF HEREDITY IN REGISTERED CRIME IS NONEXISTENT.

306. **TWO NEW CASES OF XYY CHROMOSOME COMPLEMENT—AND A REVIEW OF THE LITERATURE.** By B. F. HOFFMAN. CANADIAN PSYCHIATRIC ASSOCIATION, 225 LISGAR STREET, SUITE 103, OTTAWA, ONTARIO, CANADA. *CANADIAN PSYCHIATRIC ASSOCIATION JOURNAL*, V 22, N 8 (DECEMBER 1977), P 447-455. NCJ-56824

TWO CASE HISTORIES OF XYY CHROMOSOME MALES ARE PRESENTED AND COMPARED WITH 153 CASES DESCRIBED IN THE LITERATURE ON XYY CHROMOSOMES AND THEIR RELATION TO ANTISOCIAL BEHAVIOR.

307. **VISION ANALYSIS AND REFRACTIVE STATUS OF YOUTHS IN A JUVENILE DETENTION HOME POPULATION.** By S. WONG. WILLIAMS AND WILKINS COMPANY, 428 EAST PRESTON STREET, BALTIMORE MD 21202. *AMERICAN JOURNAL OF OPTOMETRY AND PHYSIOLOGICAL OPTICS*, V 53, N 3 (MARCH 1976), P 112-119. NCJ-56393

MYOPIC, HYPEROPIC, ASTIGMATIC ERRORS, AND SPHERICAL EQUIVALENT VALUES OF 633 DELINQUENTS WERE MEASURED ALONG WITH MEDICAL PROBLEMS TO EXAMINE RELATIONSHIPS BETWEEN VISUAL AND MEDICAL FACTORS AND JUVENILE DELINQUENCY.

308. **VISION AND THE JUVENILE DELINQUENT.** By D. DZIK. AMERICAN OPTOMETRIC ASSOCIATION, 7000 CHEPPEWA STREET, ST LOUIS MO 63119. *JOURNAL OF THE AMERICAN OPTOMETRIC ASSOCIATION*, V 37, N 5 (MAY 1968), P 461-468. NCJ-54020

A RELATIONSHIP BETWEEN VISION PROBLEMS AND JUVENILE DELINQUENCY IS DESCRIBED USING A TENNESSEE STUDY OF JUVENILE DELINQUENTS AND SCHOOL ENROLLMENT; FOUR PERCEPTUAL SKILLS IMPORTANT TO READING ARE DISCUSSED.

309. **VISUAL EVOKED RESPONSE AND FREQUENCY DENSITY SPECTRA OF PRISONER-PATIENTS.** By D. S. DOBBS and L. B. SPECK. GRUNE AND STRATTON, INC.; AMERICAN PSYCHOPATHOLOGICAL ASSOCIATION, 111 FIFTH AVENUE, NEW YORK NY 10017. *COMPREHENSIVE PSYCHIATRY*, V 9, N 1 (JANUARY 1988), P 62-70. NCJ-57185

NEUROPHYSIOLOGICAL DIFFERENCES BETWEEN 14 MALE SOCIOPATHIC INMATES OF A MAXIMUM-SECURITY PSYCHIATRIC FACILITY AND 14 AGE-MATCHED CONTROLS ARE EXPLORED.

310. **VITAMIN DIET PROGRAM FEASIBILITY STUDY.** By B. D'ASARO. MORRIS COUNTY OFFICE OF THE SHERIFF, COUNTY COURTHOUSE, MORRISTOWN NJ 07960. 20 p. 1973. NCJ-13046

AN EXPERIMENTAL PROGRAM INTENDED TO IMPROVE JAIL INMATES' NUTRITIONAL INTAKE AND TO REDUCE ANTISOCIAL BEHAVIOR IS FORMULATED.

**Sponsoring Agency:** NEW JERSEY STATE LAW ENFORCEMENT PLANNING AGENCY, 3535 QUAKER BRIDGE ROAD, TRENTON NJ 08625.

311. **WAY THEY ATE WAS A CRIME.** By B. GOTTLIED. RODALE PRESS, INC, 33 EAST MINOR STREET, EMMAUS PA 18049. *PREVENTION*, V 31, N 5 (MAY 1979), P 64-68. NCJ-57277

THIS ARTICLE DISCUSSES THE EFFECT OF IMPROPER DIET ON CRIMINAL BEHAVIOR AND DESCRIBES EFFORTS TO IMPROVE OFFENDERS' MENTAL AND PHYSICAL HEALTH THROUGH NUTRITION IN OHIO, GEORGIA, COLORADO, AND WASHINGTON STATE.

312. **XXYY MALE PRESENTING WITH AGGRESSION—A CASE REPORT.** By R. BERNSTEIN, I. W. BERMAN, and G. T. NURSE. MEDICAL ASSOCIATION OF SOUTH AFRICA, BOX 643, CAPE TOWN, SOUTH AFRICA. *SOUTH AFRICAN MEDICAL JOURNAL*, V 52, N 20 (NOVEMBER 5, 1977), P 809-812. NCJ-57007

A CASE REPORT IS PRESENTED OF A 21-YEAR-OLD MALE REFERRED TO THE PSYCHIATRIC UNIT OF THE JOHANNESBURG GENERAL HOSPITAL IN SOUTH AFRICA WHO WAS FOUND TO HAVE A 48,XXYY KARYOTYPE.

313. **XYY AND XXY MEN—CRIMINALITY AND AGGRESSION (FROM BIOSOCIAL BASES OF CRIMINAL BEHAVIOR, 1977, BY SARNOFF A MEDNICK AND KARL O CHRISTIANSEN—SEE NCJ-47285).** By H. A. WITKIN, S. A. MEDNICK, F. SCHULSINGER, E. BAKKESTROM, K. O. CHRISTIANSEN, D. R. GOODENOUGH, and K. HIRSCHHORN. GARDNER PRESS, INC, 19 UNION SQUARE WEST, NEW YORK NY 10003. 23 p. 1977. NCJ-47291

RESULTS OF A CASE-FINDING STUDY AMONG TALL MEN ARE PRESENTED, ALONG WITH THE EVIDENCE OBTAINED FROM THE SOCIAL RECORDS AVAILABLE FOR THE XYY AND XXY MEN WHO WERE FOUND IN THE SAMPLING OF TALL MEN.

**Supplemental Notes:** REPRINTED FROM SCIENCE (1976), 193.

**Sponsoring Agency:** NORTHEASTERN FAMILY INSTITUTE, INC, 15A SEWALL STREET, MARBLEHEAD MA 01945.

314. **XYY CHROMOSOMAL ABNORMALITY, REPORT.** US DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE NATIONAL INSTITUTE OF MENTAL HEALTH, 5600 FISHERS LANE, ROCKVILLE, MD 20852. 55 p. 1970. NCJ-00451

A CONFERENCE REPORT ON THE CURRENT STATE-OF-KNOWLEDGE OF THE CHROMOSOME ANOMOLY INDICATES HIGH PREVALENCE RATES FOR PENAL AND MENTAL INSTITUTION INMATES.

**Availability:** GPO.

315. **XYY CHROMOSOME GENETICS.** By R. C. BAUMILLER. *JOURNAL OF FORENSIC SCIENCES*, V 14, N 4 (OCTOBER 1969) P 411-418. NCJ-07043

ILLUSTRATED REPORT ON THE POSSIBLE RELATIONSHIPS BETWEEN THE XYY CHROMOSOMAL ANOMALY AND VIOLENT BEHAVIOR.

**Availability:** NCJRS MICROFICHE PROGRAM.

316. **XYY CHROMOSOME MALE-OR SYNDROME? (FROM MEDICAL GENETICS, V 10, 1974, BY ARTHUR G STEINBERG AND ALEXANDER G BEARN).** By D. S. BORGAN'AR and S. A. SHAH. GRUNE AND STRATTON, INC. 89 p. 1974. NCJ-55849

THE HISTORICAL BACKGROUND OF EVIDENCE LINKING XYY CHROMOSOME COMPLEMENTS WITH ANTISOCIAL BEHAVIOR, A REVIEW OF STUDY FINDINGS TO 1974, AND A DISCUSSION OF SOCIAL AND LEGAL IMPLICATIONS ARE PRESENTED.



- 317. XYX KARYOTYPE AND CRIMINALITY—A REVIEW.** By S. KESSLER and R. H. MOOS. PERGAMON PRESS LTD, HEADINGTON HILL HALL, OXFORD OX3 0BW, ENGLAND. *JOURNAL OF PSYCHIATRIC RESEARCH*, V 7 (1970), P 153-170. NCJ-56647

THIS PAPER REVIEWS THE EVIDENCE REGARDING THE XYX SYNDROME TO ASCERTAIN THE EXTENT TO WHICH XYX'S DIFFER FROM 46,XY MALES AND FOCUSES ON ISSUES STEMMING FROM RESULTS AND IDEAS FOR FUTURE RESEARCH.

- 318. XYX OFFENDER—A MODERN MYTH.** By R. G. FOX. WILLIAMS AND WILKINS COMPANY, 428 EAST PRESTON STREET, BALTIMORE MD 21202. *JOURNAL OF CRIMINAL LAW, CRIMINOLOGY AND POLICE SCIENCE*, V 62, N 1 (MARCH 1971), P 59-73. NCJ-05391

A REVIEW OF RESEARCH ON THE XYX SYNDROME SHOWS THAT INSUFFICIENT INFORMATION IS AVAILABLE TO INSTITUTE FAR REACHING LEGISLATIVE AND ADMINISTRATIVE ACTION.

- 319. XYX SURVEY IN AN INSTITUTION FOR SEX OFFENDERS AND THE MENTALLY ILL.** By J. MELNYK, A. DERENCSENYI, F. VANASEK, A. J. RUCCI, and H. THOMPSON. MACMILLIAN JOURNALS LTD, 4 LITTLE ESSEX STREET, LONDON WC2R 3LF, ENGLAND. *NATURE*, V 224 (OCTOBER 1969), P 369-370. NCJ-57013

THIS ARTICLE REPORTS A SURVEY OF 200 TALL ANTISOCIAL MEN IN A CALIFORNIA STATE HOSPITAL INDICATING THAT THE INCIDENCE OF THE 47,XYX TRAIT IS HIGHER IN MENTALLY DISORDERED SEX OFFENDERS THAN IN THE CRIMINALLY INSANE.

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- 322. XYX SYNDROME—A GENETIC DETERMINANT OF BEHAVIOR.** By J. P. WELCH. MARCH OF DIMES—NATIONAL FOUNDATION, BOX 1275, WHITE PLAINS NY 10805. *BIRTH DEFECTS—ORIGINAL ARTICLE SERIES*, V 5, N 5 (MAY 1969), P 10-15. NCJ-57067

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- 323. XYX-SYNDROME—CLINICAL AND BEHAVIORAL TYPOL-OGY.** By T. PIROZYNSKI, G. SCRIPCARU, A. HARMANSCHI, and F. TEODORESCY. PUBLICATIONS ACTA MEDICA BELGICA, HOTEL DE SOCIETES SCIENTIFIQUES, RUE DES CHAMPS-ELYSEES 43, B-105 0 BRUSSELS, BELGIUM. *ACTA PSYCHIATRICA BELGICA*, V 77, N 2 (1977), P 197-215. NCJ-57210

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A CHROMOSOME SCREENING OF 139 MALE INMATES AND 31 MENTALLY ILL MALE OFFENDERS IN GREECE IS REPORTED.

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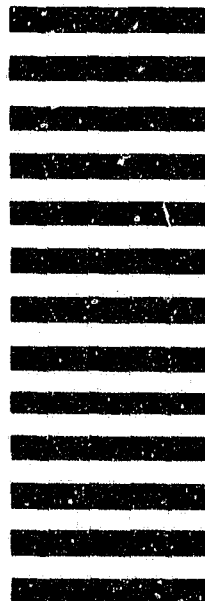
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